

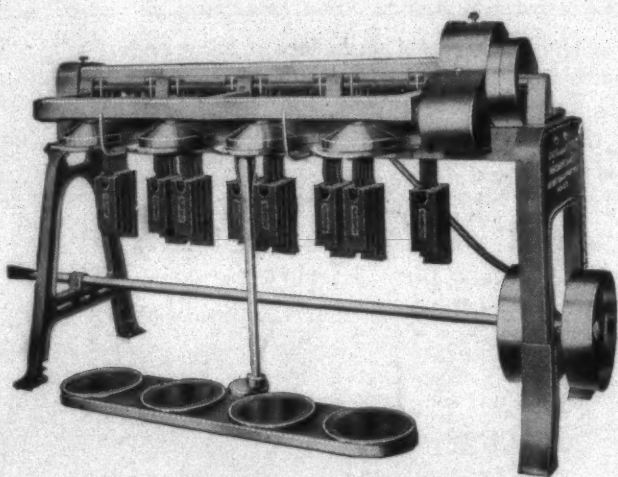
SOUTHERN TEXTILE BULLETIN

VOL. XIV.

CHARLOTTE, N. C., THURSDAY, NOVEMBER 15 1917

NUMBER 11

SACO-LOWELL SHOPS



STANDARD DRAWING FRAME

TEXTILE MACHINERY

**Complete Waste
Reworking Plants**

ROGERS W. DAVIS, Southern Agent
CHARLOTTE, N. C.

DUTCHER TEMPLES

Trade-Mark Reg. U. S. Pat. Off.

DRAPER CORPORATION

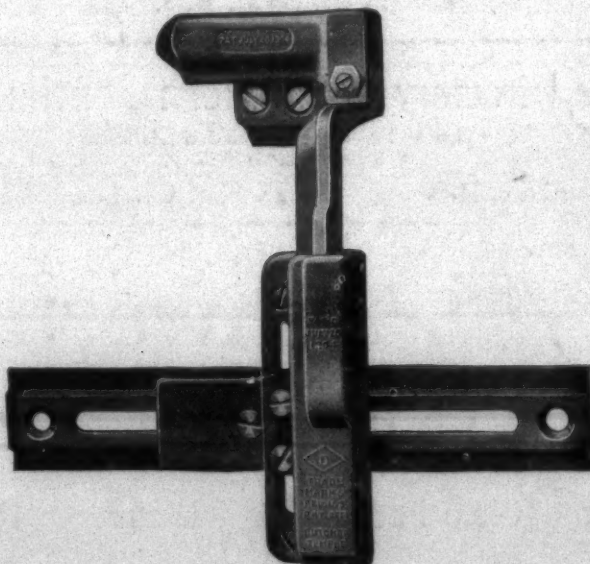
SOLE MANUFACTURERS

Hopedale, Massachusetts

Southern Office

188 So. Forsyth Street Atlanta Georgia

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National Aniline and Chemical Co., Inc.

MAIN OFFICE
244 MADISON AVE., NEW YORK
MANUFACTURERS OF

**Sulphur Black**

Direct Black	Direct Blue
Direct Red	Direct Yellow
Direct Brown	Direct Green

and Other Direct Colors

Sodium Sulphide	Blanc Fixe
Barium Chloride	Gum Arabic

Also Acid Colors, Basic Colors, Etc.

JOHN L. DABBS
Manager of Southern Office
Commercial National Bank Building
CHARLOTTE, N. C.

We carry a full line of general supplies and make a specialty of equipping new mills

WE MANUFACTURE

Oak Tanned Leather	Loom Harness
Belting	Weaving Reeds

AMERICAN SUPPLY COMPANY
PROVIDENCE, R. I.

Clark's Directory of Southern Textile Mills

Complete and accurate information relative to
Southern Textile Mills

Pocket Size—Price, \$1.50

CLARK PUB. CO., CHARLOTTE, N. C.

**Dyestuffs for Olive Drab Army Cloth
Cotton or Wool**

Made in America by

Consolidated Color and Chemical Co.

NEWARK, N. J.

Meets Government Requirements for U. S. A.

H. A. Metz & Co., Inc.

Selling Agents

122 Hudson Street

New York City

Manufacturers Should Look Up the Advantages of

Metallic Drawing Roll

Over the leather system before placing orders for new machinery, or if contemplating an increase in production, have them applied to their old machinery. It is applied successfully to the following carding room machinery:

Railways	Detaching Rolls for Combers
Sliver Lap Machines	Drawing Frames
Ribbon Lap Machines	Slubbers
Comber Draw Boxes	Intermediate Frames

25 TO 33 PER CENT. MORE PRODUCTION
GUARANTEED

For Prices and Circular Write to

The Metallic Drawing Roll Co.

INDIAN ORCHARD, MASS.

DIXON LUBRICATING SADDLE CO.
BRISTOL, RHODE ISLAND

Use Dixon Patent Stirrup Adjusting Saddles, the latest invention in Saddles for Top Rolls of Spinning Machines. Manufacturers of all kinds of Saddles, Stirrups and Levers.

WRITE FOR SAMPLE

Ashworth Brothers, Inc.**Tempered and Side Ground Card Clothing**

Tops Reclothed.

Lickerins Rewound.

Cotton Mill Machinery Repaired

12 to 18 West Fourth St., Charlotte, N. C.

240 River Street, Greenville, S. C.

127 Central Avenue, Atlanta, Ga.

SOUTHERN TEXTILE BULLETIN

VOL. XIV.

CHARLOTTE, N. C., THURSDAY, NOVEMBER 15 1917

NUMBER 11

ADVANCE NOTICES OF EXHIBITS

Advance Notices.

The following are advance notices of the exhibits that will be made at the Southern Textile Exposition at Greenville, S. C., December 10th to 17th, 1917:

The Texas Company.

The principal feature of the exhibit to be erected by The Texas Company will be a pyramid of paraffine wax from which will rise a shaft of the same material. The interior of the shaft will be lighted with red, white and green lights (the company's colors) and the top of the shaft will be surmounted by a Filling Station lamp and globe. On the steps of the pyramid a line of lubricating oils will be displayed in very handsome and attractive glassware.

There will also be on display an automobile transmission gear demonstrating Thuban Compound and six centrifugal whorl spindles, demonstrating Rabtex Spindle Oil, both of these products are manufactured by the Texas Company.

The interesting part of this exhibit is that everything in it, even its decorative features are drawn from the stock and equipment of the company. The light standards that mark each corner of the exhibit are built of a barrel, a roll of Texaco Roofing and a Filling Station Lamp.

F. K. Dorrance of Atlanta will be in charge of the exhibit. Others in attendance will be Willard Thompson, Norfolk, Va., Wm. Reynolds and J. H. Hilkene of Atlanta and C. H. Newton of Greenville, S. C.

Addressograph Company.

The Addressograph Company will exhibit their Cotton Mill Payroll Machine. This system eliminates the necessity of writing names with pen or typewriter on payroll forms. A name plate with number, name, and rate of pay of employee is made up and filed in the same manner as the regular card index system. Names of employees who discontinue their services are easily removed from the file and names of new employees inserted.

The Addressograph automatically prints the number, name, and rate on all payroll forms fifteen times faster than pen or typewriter.

The Addressograph exhibit will be in charge of A. S. Woodward, Southeastern Sales Manager of the Addressograph Company, who has had wide experience in taking care of cotton mill payroll problem. All mills are invited to have a representative of cotton mill payroll

problems. All mills are invited to have a representative from their office call at Booth 208 and investigate and discuss payroll problems.

J. E. Sirrine.

J. E. Sirrine will occupy spaces No. 209 and No. 210 on the second floor of the building. His exhibit will consist principally of a display of three of their latest and most modern type mills. These will be illustrated with photographs and drawings that will show principal features that render them distinctive as the latest developments in textile mill design.

S. R. Riley, Alex. Rose, George Wrigley and John A. McPherson will be present at this booth.

Thomas and Thomas.

The Group Insurance Department of the Aetna Life Insurance Company of Hartford, Conn., will be in charge of Messrs. F. Elliott Thomas and W. B. Thomas, Home Office Representatives of the Company.

Expert opinion and information will be given by these men to all interested in the subject. Pamphlets, rates, policy forms, employees' certificates, the system used in handling shifting employees, and the various plans suitable for the application of the plan in groups of various sizes and character can be had. Doubtless some attractive souvenir will be given to the friends of this company who call at the exhibit.

During the past year the Aetna Life Insurance Company has covered the employees of about one hundred cotton mills in the Carolinas and Georgia under this group plan which is comparatively new in the South.

Carolina Supply Company.

Their exhibit at the Southern Textile Exhibition will be an exhibit of general mill supplies, and will be in charge of T. S. Inglesby, president; F. J. P. Cogswell, assistant treasurer, and T. H. Boyd.

Huntington & Guerry.

Messrs. R. S. Huntington and Dupont Guerry, Jr., representing Huntington & Guerry Trouble-Proof Electrical Installations for Textile Mills, will personally be "On the Spot" in spaces Nos. 261-2-3 at the Southern Textile Exposition, to renew old acquaintances and make new ones.

Their exhibit will consist of actual examples of good electrical power and lighting installations for mills and will include striking pictures of recent developments in power and lighting applications

Eureka Mfg. Co.

The Eureka Mfg. Co. of Lincoln, N. C., will exhibit the "Basket" type grate bars for boilers which were designed by L. A. States of Gastonia, N. C. L. A. States will be present with the exhibit.

Terrell Machine Co.

The Terrell Machine Co. of Charlotte expect to exhibit two Ideal Quill Cleaning Machines, a single and a double end, respectively, and will occupy booths No. 122 and 123. O. L. Richardson, J. G. Rowland and, for part of the time E. A. Terrell will be with the exhibit.

Sullivan Hardware Co.

The Sullivan Hardware Co. of Anderson, S. C., will exhibit a general line of textile mill supplies. They are sole agents for Alexander Brothers' Leather Belting for the State of South Carolina. S. B. Sullivan, secretary of Sullivan Hardware Co., and H. O. Wallace will be in charge of this exhibit.

Alexander Bros.

Alexander Brothers of Philadelphia will have exhibit space No. 273 and this will be in charge of Mr. W. T. McLeod, Southern sales manager, Atlanta, Ga.

Cooper & Griffin.

Being cotton merchants, the principal thing Cooper & Griffin sell is service. Carrying out this idea, they expect to use their booth to render personal service to their clients and friends in every way possible. Their exhibit will consist of a loop on their private wire, telegraph operator, and a board posting instant cotton quotations from the New York and New Orleans markets. Also to furnish such news as they receive on cotton as is available at the time.

D. E. McCuen and W. M. Webster from the Greenville office, and J. P. Manley from the Charlotte office, will be constant attendants on the floor.

Greenville Iron Works.

The Greenville Iron Works will exhibit different styles of gray iron, semi-steel, brass, and aluminum castings, similar to castings used by the cotton mills. J. M. Broom will be present at the exhibit.

Charlotte Manufacturing Co.

The exhibit of the Charlotte Mfg. Co. at the Southern Textile Exposition, Greenville, S. C., will consist of a Card Setting Machine making a Cylinder Fillet. They are the only concern in the South manufacturing

this material. The exhibit will be in charge of W. B. Pratt and A. H. Silvester.

Carolina Specialty Co.

The Carolina Specialty Company, Charlotte, paints, oils, disinfectants, belt dressing; will feature Trus-Con, industrial enamel, which will be seen upon the entire ceiling of the Exposition Building; distributors in the Carolinas for The Trus-Con Laboratories, Detroit, Michigan; industrial enamel (mill white), Agatex (cement floor hardener), roof paints and cements, metal paints, mill village paints, etc.; distributors in the Carolinas for Anti-Friction Belt Dressing Company, Baltimore, Md. At the Exposition, Booth No. 525. J. Lindsay Ross and R. Galloway Ross will attend.

Hudson & Kohn Co.

Hudson & Kohn Co., Greenville, S. C., cotton goods distributors, converters and jobbers, will exhibit print cloths, sheetings, gingham, fancy madras, and voiles, cotton and silk, mercerized goods, sheets, pillow cases, and bed spreads, and dimity bed spreads. Most of the goods are marketed under the trade mark "HUKO." David Kohn will be there much of the time, as also from time to time R. C. Hudson and J. E. Sanders.

Howe Scale Co.

It is the intention of the Howe Scale Co. to exhibit one of their Automatic Cotton Scales and one of their Automatic Lap Scales at the Southern Textile Exposition.

The exhibit will be in charge of E. E. Tanner, who represents them in the Carolinas, and Z. B. Hamilton, who represents them in Alabama and Georgia.

Trus-Con Laboratories.

The Trus-Con Laboratories will be represented at the Textile Exposition by E. D. Rice, their traveling representative in North and South Carolina, and by E. G. Frank, their publicity director.

They will have on display their full line of technical coatings and much of interest to the maintenance superintendents of the Textile industry.

The entire ceiling of the Exposition Building has been coated with the Trus-Con Laboratories white enamel.

Earl F. Scott.

In Booth No. 278 Earl F. Scott will represent the following concerns: Ashton Valve Co., Boston, Mass.;

(Continued on page 6.)

VICTOR MILL STARCH—THE WEAVER'S FRIEND



THE HOME OF VICTOR MILL STARCH

Why worry about **POTATO STARCH** when **VICTOR MILL STARCH** will give as good results as Potato Starch on warps of any numbers, from 6s to 100s.

It boils thin—penetrates the warps—increases breaking strength and carries the weight into the cloth. Being thoroughly washed free of gluten and other foreign matter, it gives a bleach and finish to the cloth that you can get from no other starch.

A trial order will convince you that **VICTOR STARCH** has no equal in the market.

THE KEEVER STARCH COMPANY

COLUMBUS, OHIO

SOUTHERN AGENT

JAS. H. MAXWELL, GREENVILLE, S. C.

TRAVELING REPRESENTATIVE

J. J. ILLER, GREENVILLE, S. C.

Cotton Used During October. Washington, D. C.—Cotton consumed during October was 595,332 running bales, and 100,136 bales of linters, the census bureau today announced.

ending October 31 was 1,687,418 running bales and 268,193 bales of linters. Last year in October 550,655 bales of lint and 67,228 of linters were consumed and during the three-months period 1,636,723 bales of lint and 201,295 of linters.

Consumption for the three months ending October 31 was 1,687,418 running bales and 268,193 bales of linters. Last year in October 550,655 bales of lint and 67,228 of linters were consumed and during the three-months period 1,636,723 bales of lint and 201,295 of linters.

tober numbered 33,576,922, compared with 32,557,717 a year ago. Imports were 3,682 bales and for the three-months 29,475 bales.

Consumed, 334,929 bales, compared with 312,888 a year ago, and for the three-months, 965,124 compared with 935,773 a year ago.

On hand October 31, in consuming establishments, 538,480 bales, compared with 1,024,029 a year ago, and in public storage and at compresses, 2,867,365 bales compared with 3,469,542 a year ago.

Cotton spindles active 14,162,179, compared with 13,440,937 a year ago.

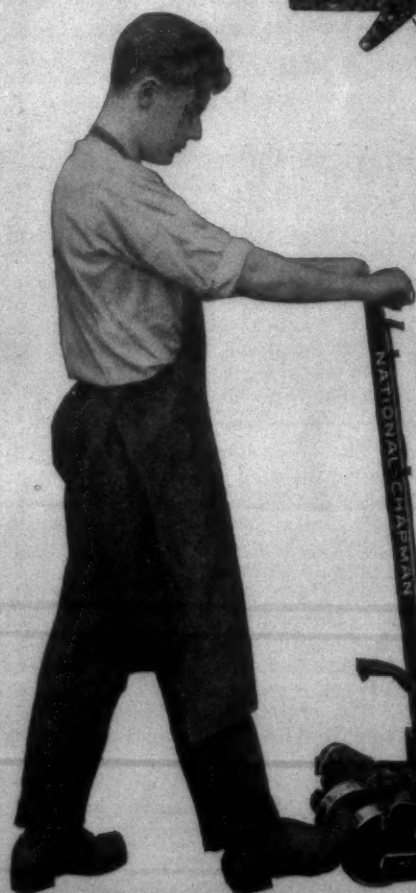


Pay Less For Trucking and Handling Material

OLD fashioned trucks, as compared with the new National-Chapman Elevating Trucks are almost as wasteful of labor and real effectiveness as a bucket brigade compared with a modern fire engine.

The detached wooden skids which the National-Chapman utilizes, can be made in any form to lessen rehandling. In addition you get—

- Quicker and Easier Transit.
- Increased Production
- Cleaner and More Compact Storage
- Almost Instant Haulability
- Wide Range of Capacity, (more platforms give increased capacity in rush times).



- Freedom from "new truck" Expense, such as is inevitable under fixed platform systems.
- Certainty of a Minimum of Idle Trucking Equipment at all times
- A saving of 50 to 90 per cent on pay roll as compared with old method.

Do the trucks you use give you all this? If they do not, let us tell you more about National-Chapman Elevating Trucks—the "Textile Trucks." Ask for Catalog No. 39B.

National Scale Company

113 Maple Street

Chicopee Falls, Mass.

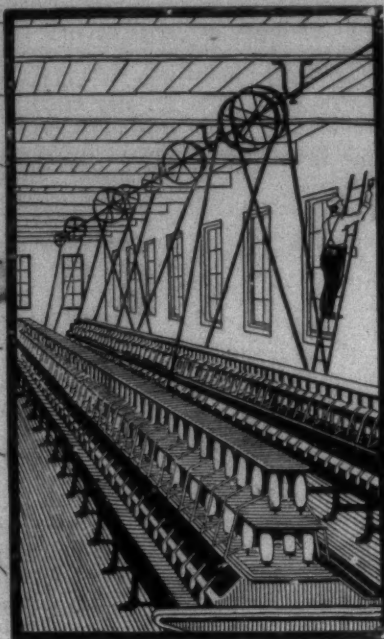
Also Manufacturers of National Counting Machines, the National Calling System and "Multi-Unit" Sectional Steel Shelving.

All Trucks Equipped With Hyatt Roller Bearings



Give the Sun a chance

No matter how brilliant the rays of the *SUN*, unless they are evenly diffused and well reflected you do not get the maximum of Light. *You want more light - good light - daylight - this is in your easy reach by using*



For Interior Walls and Ceilings

Supplies more and better light, by reflecting and diffusing Sunlight as well as artificial light to every corner of your mill thereby **increasing the hours of daylight and saving much of the artificial light** required at night. Pee Gee Factrilite has a high-gloss, tile-like finish of highest reflective power—

Stays White for Years

Pee Gee Factrilite is made by our own perfected process of especially prepared white pigments and long oil, therefore it will not turn yellow like ordinary paints which contain lead and varnish.

It is an economical paint, because it is Washable, Durable, Germ and Moisture Proof. Saves the expense of frequent repainting, does not peel or crack and withstands the vibration of heavy machinery.

Pee Gee Factrilite spreads freely and is easily applied on wood, plaster, stone, brick or metal surfaces, having a covering capacity of 450 to 550 square feet per gallon. It is made in gloss enamel or eggshell finish.

We supervise the job at our expense and place at your disposal a practical man to direct the painting of your mill or any part thereof. Write today for sample board painted with Pee Gee Factrilite.

Peaslee-Gaulbert Company

Incorporated

Established 1867

Paint Grinders, Varnish Makers

Louisville, Ky.

Advance Notice of Exhibits.

(Continued from page 3.)

Mason Regulator Co., Boston, Mass.; The Terry Steam Turbine Co., Hartford, Conn.; Lea-Courtenay Co., Newark, N. J.; The Sims Company, Erie, Pa.; The Ohio Blower Co., Cleveland, O.; Hill Pump Valve Co., Chicago, Ill.; The "S. C." Regulator Co., Postoria, O.

He will not attempt to have any machinery on exhibition, but will distribute bulletins of these different companies and will be present at the booth in person.

International Time Recording Company.

The exhibit of the International Time Recording Co. at the Southern Textile Exposition at Greenville, S. C., will consist of their Time Recording Machines of both the dial and card style for recording the time of employees of textile mills.

During the Exposition their salesmen from this territory will be in attendance. These salesmen are as follows: J. W. Loeber, Chattanooga, Tenn.; H. T. Price, Richmond, Va.; M. C. Helwig, Dallas, Texas; R. J. Stall, Columbia, S. C.; J. A. Stall, Birmingham, Ala.; B. F. Saunders, New Orleans, La.; K. R. Cobb, Jr., Atlanta, Ga.; K. R. Cobb, Atlanta, Ga., district manager.

Jaques Wolf & Co.

Jaques Wolf & Co. of Passaic, N. J., will have booth 257 and will show the full line of sizings, oils and chemicals which they manufacture. Dr. A. R. Fresher of Passaic, N. J., and R. T. Grant, Southern representative, will be with the exhibit.

Warren Webster & Co.

Warren Webster & Co. will have on display a full line of Webster radiator return Sylphon Traps, and Webster radiator supply Modulation Valves, and other Webster Steam Specialties that are used in connection with Webster systems of steam heating and slasher equipments for textile mills.

They will also have on view their automatic stereopticon machine showing views of prominent mills, office buildings, hotels, etc., throughout the South which are equipped with the Webster systems.

Their exhibit will be in charge of John B. Dobson, Southeastern district manager, Warren Webster & Co., 1327 Empire Building, Atlanta, Ga. He will be assisted by either a representative from the Camden office or one from the Atlanta office.

Scott & Williams.

Scott & Williams, Inc., of New York, will exhibit four of their latest full automatic machines, making different kinds of hosiery, and demonstrating the labor saving features of manufacture under this system. They will also show their well known underwear machine. The exhibit will be in charge of the Southern representatives of this company.

Chapman Mfg. Co.

The Chapman Mfg. Co. will show their ball bearing spindles in operation with special ammeter to show just the amount of power consumed. J. J. Montague, Southern representative, will be in charge.

Crouse-Hinds Co.

Crouse-Hinds Co.'s exhibit will cover condulets, panel-boards, knife switches, floodlights and headlights. They will be represented by C. H. Bissell, engineer, and M. J. Kiefer, sales engineer.

Keystone Fibre Co.

The Keystone Fibre Co., of Yorklyn, Del., will exhibit at the Southern Textile Exposition, in Greenville, next December, a complete line of vulcanized zbre receptacles for use in cotton, woolen and knitting mills, with special reference to the requirements of Southern cotton mills. Their line includes roving cans, barrels, doffing cars, roving trucks, and boxes of all descriptions. They manufacture both the standard fibre trucks and steel clad trucks.

They have recently improved the method of construction of the Peerless Seamless Roving Can with special reference to excessive humidity for dampness and have also originated other special constructions which should prove attractive to the trade.

This company will be represented at the Exposition by B. R. Gause, sales manager, and also J. B. Philips, manager of the Receptacle Department.

N. Y. Revolving Portable Elevator Company.

The N. Y. Revolving Portable Elevator Co. will exhibit at the Southern Textile Exposition one of their 800 lb. capacity Revolvers and one 1800 lb. capacity Revolvers, and the half size model of their non-revolving portable elevators.

R. D. Fisher will represent them at this exhibit. He has a broad knowledge of conditions in cotton and textile mills, and is quite an efficiency expert in methods of handling and storing goods.

L. R. Wattles Co.

L. R. Wattles Co. will have on display samples of their compounds, and A. S. Wattles and W. R. Noon of Boston, Mass., will be in attendance. The exhibit will be in charge of Alonzo Her, manager of the Southern office.

W. E. Lummus Co.

The Walter E. Lummus Co. will show a working model of the Lummus Automatic Dissolver, a device for dissolving caustic soda without the aid of steam or mechanical agitation, and which requires no attention whatsoever other than the initial charging.

The Lummus Metroliff, which will also be in operation, is an ingenious automatic liquid lifting and measuring device adapted for use with all liquids, including acids. Of simple construction, with only two wearing parts, it will handle liquids in varying amounts, from five to five hundred gallons per hour, as required.

S. K. F. Ball Bearing Co.

S. K. F. Ball Bearing Co. are planning to exhibit their transmission equipment and Radial and Thrust Ball Bearings as applied to textile machinery. They expect to have a large exhibit showing their transmission equipment in motion, so arranged as to bring out the self-aligning feature of the bearing.

They have also prepared two

The Mark of
Sterling Value
in Electrical
Work.



Huntington &
Guerry
GREENVILLE
South Carolina

John P. Marston

Gum Tragasol
Kerston Softener
Bleaching Assistant
Bleacher's Blue
247 Atlantic Avenue BOSTON

Chemicals and Oils

For Sizing
Finishing
and Dyeing

The New Brunswick Chemical Co.

NEW BRUNSWICK, N. J.

GUARANTEED QUALITY—DEMONSTRATIONS MADE
Southern Agent, MAX EINSTEIN, P. O. Box 927, Charlotte, N. C.

CHEMICALS AND OILS

SPECIAL OFFERING

QUICITRON BARK EXTRACT

FUSTIC EXTRACT

Direct and Sulphur Colors

Chloride of Lime

Cotton Softeners

Soda Ash

A. E. RATNER & COMPANY, Inc.

59 Pearl Street

NEW YORK

Emmons Loom Harness Company

The Largest Manufacturers of Loom Harness and Reeds in America

Loom Harness and Reeds

Slasher and Striking Combs, Warper and Leice Reeds,
Beamer and Dresser Hecks, Mending Eyes, Jacquard
Heddles

LAWRENCE, MASS.

Cut Your Roller Covering Bill

"DUREX TOP ROLL VARNISH prevents lapping, preserves the leather, increases the life of leather top rolls thirty to fifty percent. 250 cotton mills in the South now use this varnish.

TOP ROLL VARNISH COMPANY

Box 31

CROMPTON, R. I.

stands to illustrate the easy running features of ball bearings. One of these stands is mounted on SKF Ball Bearings and a ton of weight suspended from it. The other stand is exactly similar with the exception that it is mounted on well lubricated plain bearings and is supporting but half a ton of weight. It is necessary for a man to exert his entire strength to start this shaft rotating.

They shall also have on exhibit a bent shaft model. This shaft is mounted on two SKF Ball Bearings and is so arranged that the shaft may be thrown out of alignment.

The SKF Ball Bearing Company exhibit will be in charge of H. N. Trumbull, advertising manager. R. E. Patterson, manager of the transmission department, and F. V. L. Smith, the Southern representative, will also attend, also E. A. Allen, their textile specialist.

U. S. Graphite Co.

The exhibit of the U. S. Graphite Co. at the Southern Textile Exposition at Greenville, S. C., will consist of a display of their regular lines of lubricating graphite, graphite and motor and generator brushes, specializing particularly on boiler graphite.

Their exhibition will be in charge of Mr. R. A. Peeples, Jr., manager of their Atlanta office.

Safepack Paper Mills.

A. D. Lamson will have full charge of the Safepack Paper Mills exhibit, which will consist of samples of Safepack Waterproof Paper.

Draper Company.

The exhibit of the Draper Co. at the Southern Textile Exposition as now arranged, will consist of seven looms, one spooler, one warper, one balling machine for warper, and samples of our smaller goods such as slasher combs, spindles, rings, bobbins, shuttles, loom temples, etc.

All looms will be motor driven, and they will include the following as to construction: One 90-inch L Model Loom for broad sheetings; one 40-inch M Model Loom for fine goods; one 36-inch E Model Dobby Loom; one 40-inch E Model Loom for standard plain goods of that width; one 30-inch E Model Loom with steel harness and Straws Patent Feeler System; one 36-inch E Model Loom on a khaki weave; one 36-inch P Model Loom on a duck weave.

The spooler will be a short machine of that latest L Model; the warper with their patent fluted cylinder, which is a great advantage on warpers measuring from the cylinder.

Detroit Graphite Company.

The Detroit Graphite Company will exhibit in section No. 204, second floor, where their representatives, H. U. Birdseye, assistant sales manager, New York; G. W. Cureton, Greenville representative, and E. C. Roberts, factory representative from Detroit, will make an effort to interest in Detroit Graphite Company products, those with whom they come in contact.

They will show a few of the many attractive combination in which Degraeco Paint for employees' houses are furnished. They will endeavor

to show how and why mill whites "have increased production, cut lighting costs, decreased spoilage, help prevent accidents, and improved working conditions generally in manufacturing plants of every nature, and textile mills in particular."

Douglas Company.

Douglas Company will have on display all the different grades of starch made from corn, not only for textile purposes, but the ordinary grades, such as edible corn starch, confectioners' starch, laundry starch and also the other products incidental to their business, namely refined corn-oil and corn gluten feed.

They will also have a testing apparatus in operation in the booth, to show the working qualities of the different grades of special textile starches, all of which should prove of interest to the textile trade.

The exhibit will be in charge of their representatives, Ira L. Griffin, George A. Dean, and their chief chemist, H. F. Bauer.

Carrier Engineering Corporation.

The exhibit of the Carrier Engineering Corporation will be in charge of E. T. Lyle and M. J. Crutcher. It will include a Carrier Humidifier in operation. The Carrier system is the one which permits the correct humidities and temperatures to be obtained for the various departments, all from one centrally located and automatically controlled apparatus.

Seydel Mfg. Co.

The Seydel Mfg. Co. exhibit will be in charge of Messrs. S. C. Thomas of Spartanburg, S. C., and George Witherspoon of Mount Olive, N. C., their Southern salesmen. The president of our company, Hermann Seydel, also intends to make a flying visit to Greenville in order to pay his respects to the many friends and customers of the company.

The exhibit will be more extensive than many we have shown heretofore and will not only be of goods they manufacture but of the results of their application, some of these will be shown on aeroplane and balloon cloth made of Sea Island cotton, the latter fabric meeting the Government requirements of extreme tensile strength of both warp and filling.

Sizol compound will also be shown on woolen cloth, showing the adaptability of Sizol to the exacting requirements of high priced woollens.

Other features of their exhibit will consist of Sizol on threads, twines, ropes and artificial silk, all of which will greatly interest the mill men of the South.

The success of the company will also be graphically shown by photographs of their buildings which they say represent the largest plant devoted to sizing and finishing materials in this country.

An exhibit will also be made of the company's new products in the dyestuff and chemical line, consisting of fur dyes of every desirable shade also benzoic acid derivatives.

Leatheroid Sales Co.

The Leatheroid Sales Co. will have booths Nos. 301, 302, 303 and 304 at the Southern Textile Exposition.

They will display the finest production possible of Leatheroid Roving Cans, Doffing Boxes, Cars, Fibre

(Continued on page 12.)

Authentic Time Records

Legible—Accurate—Indisputable

This Company invites correspondence from you on time and pay roll keeping questions and will give you the benefit and knowledge of their experts without cost or obligation on your part.

International Time Record Company Of New York

Endicott, N. Y.

Southern Service Stations
and Supply Depots

Atlanta Birmingham Chattanooga
Columbia Richmond New Orleans Dallas

BETTER PRODUCTION AND BETTER CLOTH

MONAGHAN MILLS
Monaghan Plant

Greenville, S. C., July 8, 1916.

Steel Heddle Mfg. Co.
Philadelphia, Pa.

Gentlemen:—

During my connection as Superintendent, formerly of the Greer Plant and now of the Monaghan Plant, I have used your "DUPLEX" FLAT STEEL HEDDLES on a large variety of fabrics ranging from two shades on 80x80 up to several harness on fancy weaves, and your heddles gave us better satisfaction than any other loom harness we could get.

NO THREAD EVER CUTS THROUGH YOUR HARNESS-EYE, which consequently means BETTER CLOTH AND BETTER PRODUCTION.

Yours very truly,
J. N. BADGER, Supt.

Because it means to the mills "BETTER PRODUCTION AND BETTER CLOTH", a larger variety of fabrics in cotton, silk, wool, jute and linen are woven with our FLAT STEEL HEDDLES than with any other type of Loom harness made.

We also make DROP-WIRES and HARNESS FRAMES

STEEL HEDDLE MFG. CO.

2100 W. Allegheny Ave., PHILADELPHIA, Pa.

Southern Agent, HAMPTON SMITH, Greenville, S. C.

No Thread Ever Cuts Through the Harness Eye

DISCUSSIONS BY PRACTICAL MEN

Ropo Sizing.

About twenty years ago when W. L. Robinson was superintendent of the Old Dominion Cotton Mill at Richmond, Va., he found trouble in obtaining a sizing for his warps that was satisfactory in every respect and he began to study the question for himself.

During his twelve years as superintendent of the Cannon Mfg. Co., at Concord, N. C., Mr. Robinson and his son, W. E. G. Robinson, continued to experiment and test various compounds which they made up until they finally evolved a sizing which they consider to be as near perfect as can be made. They have named this product "Ropo Size" and have organized the Carolina Sizing and Chemical Company for the purpose of putting it on the market.

They claim that "Ropo Size" will not only make the yarn stronger, but will not scale. That it can be kept in either a hot or cold place and will under no conditions scale or turn sour. They also claim that it is especially adapted to goods that are to be bleached, for it bleaches out perfectly.

Aragon Flower Prizes.

On Friday evening, November 2, a meeting of the people of Aragon Mills, Rock Hill, S. C., was held for the awarding of prizes for tomato clubs and yards and gardens.

Junior boys: 1st prize, \$3, John Miller; 2nd, \$2, Lavoid Blair; 3rd, \$1, Grant Trull.

Junior girls: 1st prize, \$3, Helen Alley; 2nd, \$2, Annie Mae Burris; 3rd, \$1, Amelia Jennings.

The prizes were in form of savings accounts.

The prizes for best yards were as follows: 1st, \$3, to Mrs. C. N. James; 2nd, \$2, to Mrs. G. L. McFadden; 3rd, \$1, to Miss Annie Broom.

The prizes \$3, \$2, \$1, respectively, offered by Supt. E. M. Walter, Miss Kuykendal and Miss Gettys, for the yard improved most within the year went to Mrs. L. B. Alley, Mrs. Luta Costner, Homer Hammett.

The garden prizes, as won, were:

1st, \$3, G. A. Blair; 2nd, \$2, E. Blair; 3rd, \$1, Thomas Swan.

Relation of Inventory to Appraised Value.

As every cotton mill needs all the information it can obtain in order to properly make out the blanks upon which war taxes are to be fixed we suggest that they write to the Link Belt Co. of Chicago and secure a pamphlet, "The Relation Between Perpetual Inventory Values and Appraised Value." It contains a very interesting address of Charles Piez, president of the Link Belt Co. before the American Society of Mechanical Engineers. It can be obtained free by mentioning that you saw this notice in the Southern Textile Bulletin.

Cotton Piece-Goods Trade in Foochow District.

With the exception of dyes cotton cuts, cotton italians, and turkey red cloth, there have been decreased imports in all lines of cotton piece goods in the Foochow district during the present year. The stringency of the money market has been responsible for a poor trade in even the native and Japanese manufactured cotton cloth. There are 30 wholesale and 80 retail native piece-goods merchants located in Foochow, and in favorable years these firms handle imports exceeding \$500,000 in value.

The low stocks in Shanghai and the high freight rates prevailing have been responsible for an advance in prices of 50 per cent, and the local wholesalers realized a good profit on the stocks of foreign manufactured cloth held over from the previous year. The poor crops harvested during the year indicate that the piece-goods business will be dull for some months to come.

Before the war the British manufacturer had a monopoly of the piece-goods trade, but the Japanese merchant has supplanted the British cloth to a considerable extent. Japanese salesman during recent months have been visiting the local trade at

regular intervals, and as a result of persistent endeavor about 70 per cent of the piece-goods trade is now in the hands of the Japanese manufacturers.

With the exception of several small imports of drills, no American cotton cloth has appeared on the local market during the present year. The American manufacturer has as yet failed to show any great activity in endeavoring to secure a substantial share in the cotton goods trade in this district, but this condition will change when it is realized that American goods are in high favor and that the appearance of an American firm or representative would be heartily welcomed. Through the efforts of this consulate a few small orders have recently been placed with manufacturers in the United States. It is to be regretted that several of the local native merchants from past experiences feel that a lack of attention and want of consideration is a habit of some American manufacturers, but when such incidents come to the knowledge of this consulate every efforts is made to rectify matters.

One of the local merchants has recently offered to raise \$100,000 Mexican (\$65,000 United States currency) in order to establish a joint American-Chinese import and export firm, the American concerned to provide a similar amount at least. This offer was made in good faith and the Chinese concern is well known to the consulate. It would be fortunate if such a firm could be successfully established in this port. Even though the German merchants are cut off entirely from their home markets, only very recently has it become known that endeavors were being made to contract for the importation of cotton cloth, delivery to be made after the war.

In the sale of goods to local merchants, American manufacturers should quote prices c. i. f. Foochow, Hongkong, or Shanghai. The local native merchants have generally been accustomed to buy either cash against shipping documents or on a 30 to 90 days credit

basis after delivery of goods. In the latter event the merchants usually furnish security for the amount of the invoice in the shape of a guaranty bond executed by one or more.

The best demand in cotton piece goods is at present in shirtings, calicoes, T cloths, chintzes and cotton prints, turkey-red cottons, dyed cotton cuts, cotton italians, velvets and velveteens, drills, and flannel. There are two grades of shirtings, dyed and plain, in gray and white colors; most of this cloth is of British manufacture and is sold in bolts of 36 inches by 40 yards, ranging from 7 to 9 pounds weight. The trade in T cloth is good, the British and Japanese manufacturers now having a monopoly of the trade since the complete disappearance of the Russian cloth. Cambric calicoes are also mostly of British manufacture, this cloth being dyed locally in a blue or black. Turkey-red cloth is shipped chiefly to interior points, being imported chiefly from Japan.

Dyed cotton cuts and cotton italians are chiefly of British manufacture, a good demand being had for the former cloth in blue color. About 60 per cent of the local trade in drills is British, the American trade. Cotton flannel comes largely from Japan and is put up in bolts 28 inches by 20 to 60 yards, both dyed and printed. Velvets and velveteens are imported chiefly from England. Importations of nankeens or native manufactured cloth from Shanghai have declined more than 50 per cent, due largely to the sharp competition of the Japanese cloth.—Commerce Reports.

Their Vengeance.

An Atlanta man said to a friend, "That was a terrible vengeance inflicted upon one of their members by a band of robbers in Mississippi." "What did they do? Shoot him?" "No; they tied him upon the railway tracks."

"Awful! And he was ground to pieces, I suppose?"

"Nothing of the sort. The poor fellow starved to death waiting for the next train."—Ex.

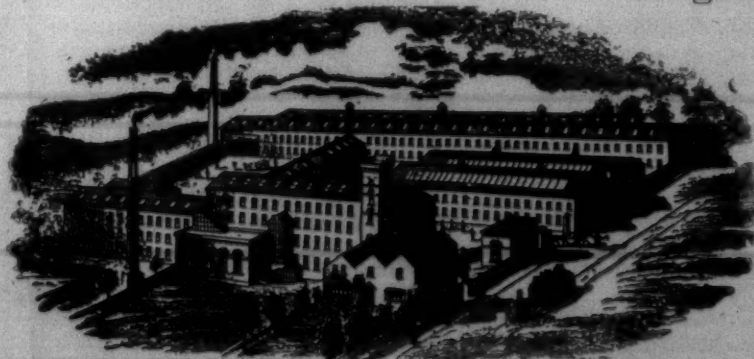
Joseph Sykes Brothers, Huddersfield, England Card Clothing Manufacturers

Hardened and Tempered Steel Wire Plow Ground Card Clothing

Revolving Top Flats re-clothed. Licker-ins re-wound. Burrisher and Stripper Fillets. Dronsfield's Grinder Rolls. Emery Fillets. All regular sizes of Card Clothing always in stock and shipped same day order is received.

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ATLANTA, GA.



Cotton Fields.

The conditions in Peru are markedly different in almost every respect from those in Brazil. Here cotton has been cultivated since the times of the Incas. This is testified to by the remnants of cotton cloth in exquisite colors, which were wrapped around the mummies. It was not, however, until 1899 that cotton was produced to any great extent and by systematic cultivation. The following table shows the production for the ten years:

Year	Production in 500-pound Bales
1905	42,000
1906	46,000
1907	54,000
1908	70,000
1909	95,000
1910	62,000
1911	69,000
1912	84,000
1913	data unavailable
1914	100,000
1915	90,000

Peruvian cotton is grown entirely under irrigation, as the climate is practically rainless except in the North, where torrential rains sometimes fall in summer; and only the lack of funds to carry out further irrigation work prevents the development of cotton growing on a more extensive scale than at present.

Peru owes its advantages for cotton growing to the exceptional physical and climatic characteristics of the country. Its coast line extends about 1200 miles from 3° south of the Equator to 22°. It consists chiefly of arid sand hills, but these are intersected by numerous valleys varying in length from 25 to 100 miles, running from the Andes to the sea, and each is the bed of a river which has filled it with a deep, alluvial soil. During the hottest summer months, which comprise the cotton-growing season, the volume of these rivers is augmented by the melting of the snow in the mountains, and as the slope of the valley is, as a rule, fairly steep, irrigation is a comparatively simple matter, and every part of the valley can be conveniently watered.

The following kinds of cotton are cultivated in Peru:

Egypto, introduced into Peru from North America, where it is

known as Upland cotton. It is generally of a more reduced size than other varieties, showing a certain ligneous development, and attains, under favorable conditions, the height of two metres. Its stem is more pliant and soft in the early stages of its growth. As a rule the life of the plant is two years, but when cultivated under favorable conditions may extend to four or five. The seed, after being separated from the fibre, is relatively large.

Gossypium peruvianum Cav. is found in the warmest regions of the coast. The plant will live more than twenty years and the fibre is very rough and long, which permits it to be employed in imitation of woolen cloth. The seed, which is small, is separated perfectly by the ginning machine and is smooth and black.

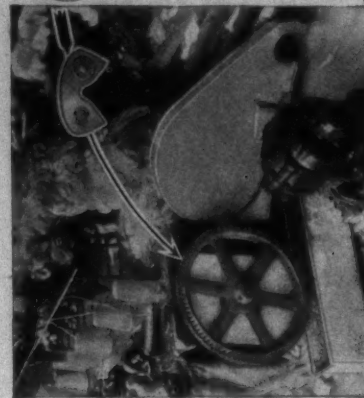
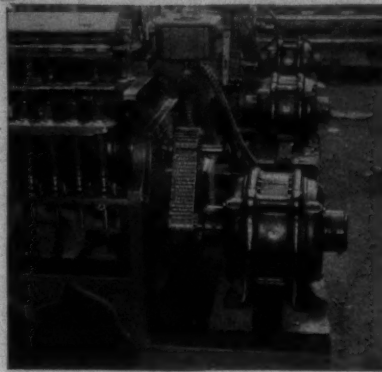
Gossypium barbadense L., as found on Peruvian plantations, is also ligneous, and the fibres are very long, fine, and silky. The seed is also smooth and black. From this variety are derived the sub-varieties of "Sea Island," "Mitafifi," and "Jannovitch." Sea Island cotton is also cultivated in very insignificant quantities in the valleys of Supe, Huarmey, and Huache, in the departments of Lima and Anachs.

Nearly all the known varieties of cotton may be cultivated on the Peruvian coast. The absence of rain and hail insures the safety of the crops and gives the planter a liberty of action unknown to those who must contend with more inclement climates. The temperature varies very little during the twenty-four hours, or from one season to another. Plagues attacking Peruvian cotton are very few and are mild in form. The most dangerous insect is the arrebriatado. In recent years the boll weevil has been found in Peru, but steps have been taken to study means to combat and destroy this plague. The fertilizer most used by cotton planters is the guano, easily obtained from the islands off the coast.

The next crop, corresponding to the year 1916-17, should show a notable increase in the production of "Mitafifi" cotton, for, owing to the high price at which this cotton is selling, many planters are devoting their attention entirely to it.

Planting time is from the middle (Continued on page 20.)

Stop Wasting Power



IN these trying times when every mill is endeavoring to produce to its full capacity, there should be no tolerance of slip or loss of power in transmission, from the prime mover to the driven machine.

LINK-BELT SILENT CHAIN DRIVES

transmit power quietly, without slip or loss, with an efficiency of over 98 per cent.

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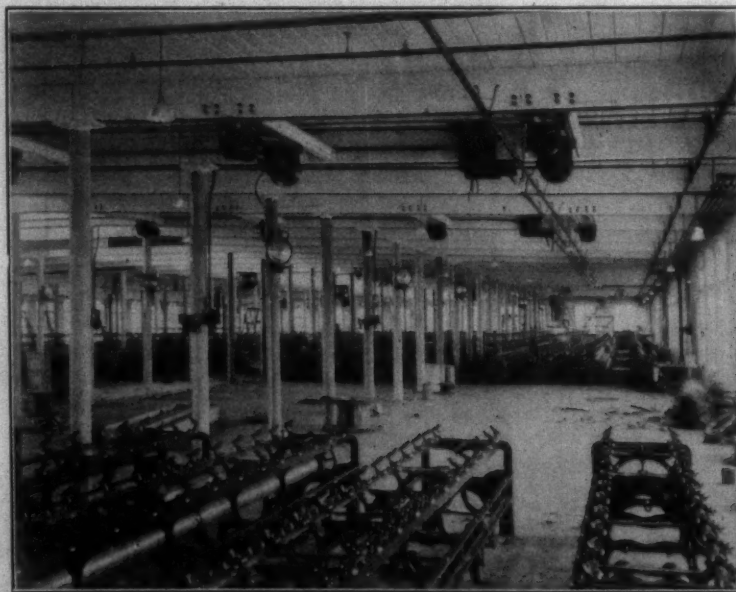
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A valuable and well known product.

In Dyeing cotton it gives penetration and evenness of color, together with brilliancy.

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JACQUES WOLF & CO.

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SOUTHERN TEXTILE BULLETIN

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THURSDAY, NOVEMBER 15, 1917

Advance Notice of Exhibits.

Beginning with this issue we are printing advance notices of the features of the exhibits that will be seen at the Southern Textile Exposition at Greenville, S. C., December 10th to 15th, 1917.

The publication of these advance notices will give the mill men the opportunity of making notes, in advance, of special features of exhibits in which they are interested.

When attending a large exposition of this kind a man is liable to pass, hurriedly or in a crowd, some booth that contains a machine or product in which he is especially interested and every one has regretted too late that he failed to see some important exhibit.

We are also publishing the names of the men who will be present with the exhibits so that they may make note to meet and become personally acquainted with men with whom they have long transacted business by correspondence.

Every mill man should study these advance notices of exhibits and make notes of the things they especially want to see and the men they especially want to meet.

Every man who goes to the Exposition with a note book of that kind will secure far more benefit than the man who takes chances on seeing the exhibits and men in whom he is interested.

We are publishing these notices of exhibits without cost to the exhibitors because we believe it will help to make the Exposition a success, and we are glad to help those who by taking space have helped the Exposition.

Many of them have never advertised in the Southern Textile Bulletin because they have never taken the trouble to find out what journal the mill people of the South read.

After they meet the mill men at the Exposition many of them will have heard things about the Southern Textile Bulletin that will convince them that they have missed the best advertising medium in this field.

Cost of the War.

The man or company who is paying "war taxes" may feel that his contribution is very large but if he will study the cost of the war his own share will sink into insignificance.

Every day the war is costing the United States \$29,400,000, which is slightly over \$200,000 per minute and we therefore see that a cotton mill that pays \$100,000 in war taxes is keeping the war going for just one-half minute.

In addition to the \$29,400,000 the United States is loaning the Allies at the rate of \$14,000,000 per day.

Against the direct military cost of \$29,400,000 to America, the war is costing England in the same way \$35,000,000; Germany \$27,200,000 and France \$20,200,000.

Each day every citizen of the United States is called upon to contribute 28 cents for the support of the war. Every day every citizen of Great Britain spends 74 cents; every citizen of France spends 50 cents, and every citizen of Germany spends 40 cents.

The following table gives the present daily direct war expenditure in each of the countries chiefly engaged in the hostilities:

	Population.	Direct Cost, Daily.
United States	104,000,000	\$ 29,400,000
Great Britain	47,000,000	35,000,000
France	40,000,000	20,200,000
Russia	175,000,000	18,000,000
Italy	36,000,000	8,000,000
Belgium, Portugal, Rumania, Serbia	26,000,000	5,000,000
Total Allies	428,000,000	\$115,600,000
Germany	68,000,000	27,200,000
Austro-Hungary, Turkey, Bulgaria	79,000,000	16,000,000
Central Powers	147,000,000	43,200,000
Totals, all	575,000,000	\$158,800,000

These figures almost stagger the imagination, for before the war no one could have dreamed of a struggle which would cost \$158,000,000 a day, not counting the incalculable economic loss in the best of the young men of the world.

Prior to this war the approximate cost of the world's greatest wars had been:

Napoleonic Wars, 1793-1815	\$ 6,250,000,000
Crimean War, 1858-1856	1,700,000,000
American Civil War, 1861-1865	8,000,000,000
Franco-Prussian War, 1870-1871	3,500,000,000
South African War, 1900-1902	1,250,000,000
Russo-Japanese War, 1904-1905	2,500,000,000
Great War, 1914-1917 (three years)	97,450,000,000

The total cost of this war has already exceeded an amount three times as large as the total indebtedness of every nation in the world, as that indebtedness stood in 1914, four times as large as the deposits of all the banks of the United States, ten times as large as the value of all our agricultural products in a given year, twelve times as large as the value of our annual foreign trade, 1,000 times as large as the amount of the annual American gold output.

It means that this war has already required a sum that would have extended the railway mileage of the United States to several times its present length, and that, besides, would have carried steamship lines to every corner of the earth.

As great as the cost of this war has already been in money and will be in men and blood it can never end until there is no Kaiser.

To the aid of England with her tenacity of a bull dog, and France

with her spirit of the game cock which only death can crush, has come America with her love for liberty and freedom and her willingness to die for her principles.

"England, France and America" and it is beyond the comprehension of man that all or either of these great nations should surrender to Germany as long as they have a single man alive.

There are but two alternatives in this war, either it will go on forever or Germany will yield.

There is no other way out and if we must give our every dollar to force the subjection of Germany, it should be gladly given.

Latest Song in France.

The following is said to be an extract from a song that is very popular, just now, with our soldiers in France:

"I tossed a bomb into the air,
It came to earth right over there;
And when that little bomblet fell,
A dozen Fritzies went to h—."

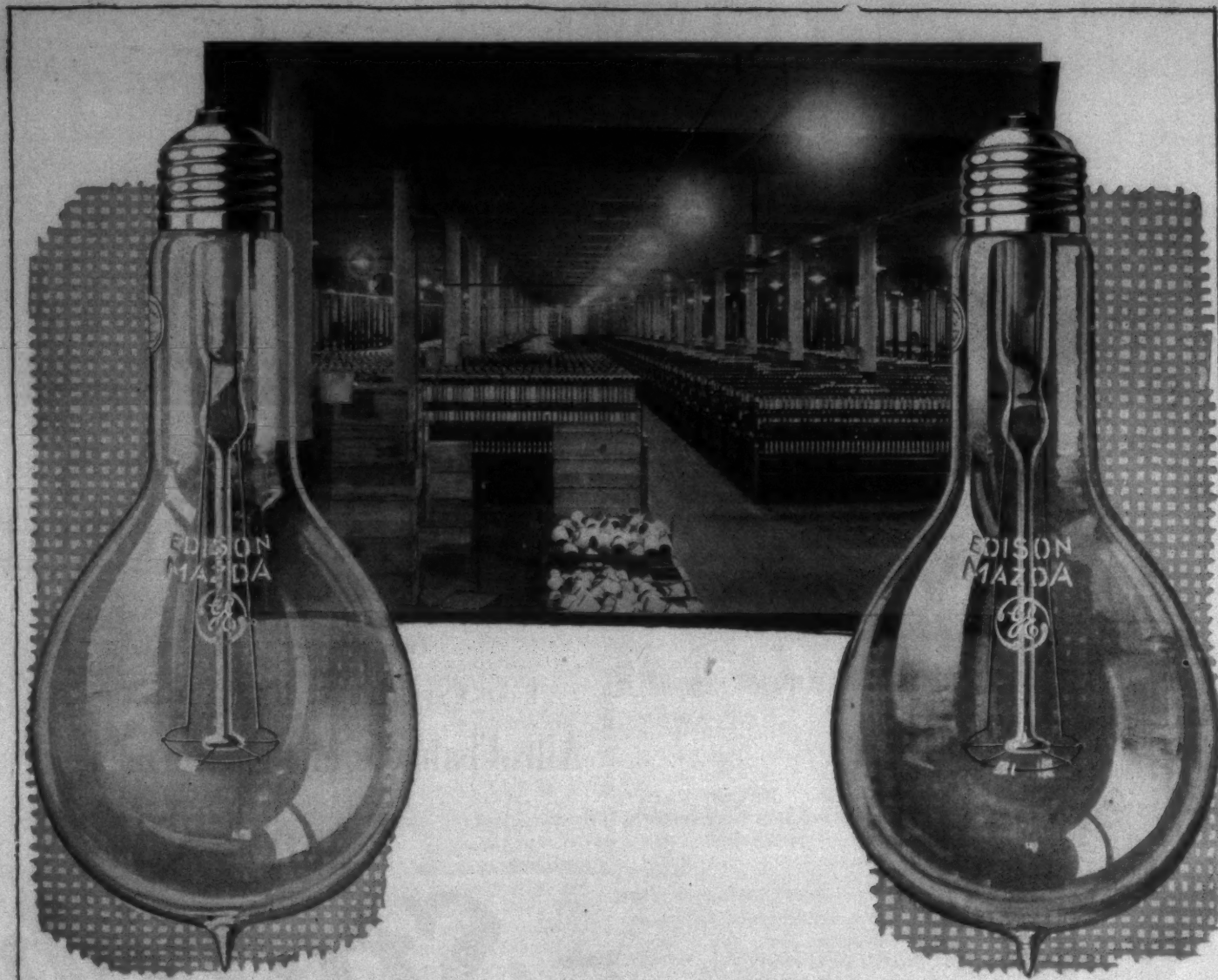
Mill Honor Roll.

Wm. P. Boyd, son of John B. Boyd, superintendent of Patterson Mills, Roanoke Rapids, N. C., is with Company H, 321st Infantry, at Camp Jackson, S. C.

J. A. Shinn, general superintendent of the mills at Sylacauga, Ala., has two sons in the army. J. L. Shinn is at the officers' training camp at Fort Oglethorpe, Ga., while Frel G. Shinn is troop clerk for the First Alabama Cavalry at Camp Wheeler, Macon, Ga.

Stuart W. Cramer Appointed on Advisory Board of Treasury.

Stuart W. Cramer of Charlotte, president of the Loray Mills, Gastonia, N. C., and the Mayes Mfg. Co., Mayworth, N. C., has been appointed upon the Advisory Board which will assist the United States Treasury Department in interpreting and adjusting the provisions of the War Revenue Bill. Mr. Cramer, as chairman of the Legislative Committee of the American Cotton Manufacturers' Association, took an active part in the efforts to attain a more equitable war revenue measure and few men have his knowledge of the subject.



Every textile mill can increase production and decrease spoilage by installing MAZDA C and MAZDA C-2 lamps

JUST now when production facilities are strained to the limit, and every effort is expended to prevent spoilage, Edison MAZDA C and MAZDA C-2 Lamps are of vital interest to textile manufacturers.

MAZDA C is a specially developed lamp for commercial use. It is exceptionally powerful and allows night-time operation to proceed with daytime efficiency, indoors and out.

The handling and inspection of colored materials and yarns under improper artificial light frequently results in error, spoilage and waste.

The Edison MAZDA C-2 has been developed to meet just this condition. It is one of the latest improvements in MAZDA Lighting—

has a blue bulb instead of the ordinary clear glass bulb—and is especially adapted for color comparison of yellows, greens, reds and blues, in the sorting, weaving and inspection rooms of manufacturers of all textiles—cloth, carpets, silk, knit goods, and neckwear.

Your interest in an increased output, lower production costs, and the saving of all unnecessary spoilage and waste demands that you get in touch with your electric light company or nearest MAZDA Agent for complete details on these new MAZDA Lamps for textile manufacturers.



EDISON LAMP WORKS
of General Electric Company Harrison, N. J.

EDISON MAZDA

Advance Notice of Exhibits.

(Continued from Page 7.)

Barrels and Fibre Baskets and will especially feature their Seamless Solid Fibre Top Can, which they desire every mill superintendent to see.

The exhibit will be in charge of Leon B. Rogers and James L. Newkirk.

Cement Products Co.

The exhibit of the Cement Products Co. at the Southern Textile Exposition will consist of a complete line of our "Sanisep" products for use with or without running water for industrial villages, schools, and country homes. The exhibit will be in charge of our southern sales manager, A. M. Whelpley, and other officers of the company will attend the Exposition.

The New Brunswick Chemical Co.

The New Brunswick Chemical Co. will have an attractive exhibit of some of their well known products. Hugo Koblenzer and Max Einstein will be on hand to meet their friends.

Bird-Wilcox Co.

The Bird-Wilcox Co. exhibit will consist of a complete line of Oxy-Acetylene Welding and Cutting Apparatus, showing both portable and stationary types of machines.

The exhibit will be in charge of George Bird, president, assisted by J. H. Lamb, representative from the Charlotte branch. The demonstrations in welding and cutting will be given by Martin Carden, expert welder, from the Atlanta shop.

C. J. Tagliabue Mfg. Co.

The C. J. Tagliabue Mfg. Co., of Brooklyn, N. Y., will have a most interesting exhibit of thermometers and temperature controllers. They will occupy sections 544 to 547 inclusive on the balcony floor.

The "Tag" exhibit will be ably represented by E. J. Dooling and V. Wichum, with L. C. Irwin in charge.

The Lunkenheimer Co.

The Lunkenheimer Company's exhibit consists of a display of valves in both iron and brass, suitable for various steam conditions, ranging from the low pressures up to 300 pounds per square inch, and for saturated steam as well as superheat, carrying a total temperature of 650 degrees. Besides the valves, they are also showing a line of oil cups, grease cups and kindred specialties. All of the fittings are made on a strictly quality basis, using the very best material obtainable so as to give efficient service. The exhibit is in charge of C. W. Thrash and W. M. Hood.

S. N. E. Textile Dinner.

The seventy-first monthly meeting and dinner of the Southern Textile Club was held at the Narragansett Hotel, Providence, R. I., recently. Lieut. Pierre Chavalier of the Fourteenth Montreal Battalion was the principal speaker. He told the members of his experiences on the western front and kept his audience intensely interested with his story of the war as it is being fought. There was a fairly representative number of members present and they were unanimous in voting the talk of

Lieutenant Chavalier as one of the most illuminating they have heard on the whole war since it gave them first-hand information.

Shirts and Overalls Made in Johannesburg.

A recent article in the Johannesburg Star, dealing with local industries, told of the manufacture of shirts and overalls in Johannesburg—an industry that is the outcome of the war, but whose success is said to be on a permanent basis. The factory occupies a three-story building right in the heart of the city and employs over 100 people. Some 50 Singer machines, electrically driven, are installed in the sewing room. Shirts, overalls, trousers, pajamas, and other articles of apparel of excellent quality and finish are made. A good demand has already arisen for the factory's wares, and the proprietor is quoted as saying that he could employ many more operatives if they could be had.

The pasteboard boxes in which the shirts are packed are the product of another local industry.

Mills Endorse Higher Freight.

Washington.—The National Council of American Cotton Manufacturers, in session recently, went on record as favoring an increase in railroad freight rates. A resolution adopted says the association "favors in principle an increase in railway rates, and pledges before the Interstate Commerce Commission and elsewhere its hearty support of freight advances, for the reason that increased expense of operation—an inevitable accompaniment of war conditions—unless attended by an equitable increase in income, can lead to but one result—the financial and physical wreck of the various units of our railway system."

Another resolution adopted last night urged Congress to grant liberal appropriations for the support and development of the bureau of foreign and domestic commerce and the creation of a bureau for the extension of American foreign trade.

Greater compression, the adoption of a standard bale, more efficient loading of freight cars and an increase in the ship tonnage in the coastwise and gulf trade were suggestions for facilitating the movement of the cotton crop advanced at the conference of cotton men, railway and the steamship men at the shipping board.

Two committees, who were ordered to report at another meeting November 23, were created by the conference. One, to be appointed by Lincoln Green, vice president of the Southern Railway, will discuss the problem with railway officials, while the other, to be named by George H. McFadden, Jr., of Philadelphia, will confer with shippers, manufacturers and compressors.

Cotton men present included Edwin Farnham Greene, of Boston, who presided as chairman of the National Council of Cotton Manufacturers; Capt. Ellison A. Smyth, of Greenville, S. C., and John A. Law, of Spartanburg, S. C.



Allis-Chalmers Textile Motors

Rugged in Construction
Reliable in Operation
They meet every requirement

For Group or Individual Drive
Allis-Chalmers Manufacturing Company

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Offices in all Principle Cities

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Eagle Finishing

The experience of critical operators has shown that popular brand to be the most efficient sizing agent both for additional WEIGHT and increased STRENGTH of warp. Penetration accomplishes these important results.

EAGLE FINISHING is specially manufactured to cover a wide range of fluidities to meet the needs of all classes of weaves.

EAGLE FINISHING penetrates.

Corn Products Refining Co.,
New York

Southern Office

Greenville, South Carolina

Starch

Cotton Waste and Waste Products

W. N. Randle before Technical Conference Bureau of Standards

Cotton wastes are the result of inefficiency in growth and manufacture. We must not confuse true wastes with by-products, for intelligent waste control comes from logical differentiation of these elements of manufacture under the factory system. For example, such items as card strips and comber waste are frequently considered as wastes when, as a matter of fact, they are only wastes to the extent in which perfect long fibers have been eliminated in the processes for culling low stocks from higher grades, thereby preventing the shorter fibers from passing to the succeeding process.

Let us remember that such so-called wastes as card strippings and comber wastes are in truth products, by-products it is true, but nevertheless necessary to the manufacture of certain grades of yarns. Let us also make close study of these and other processes where stocks are divided mechanically, devising ways and means whereby we may prevent fibers of acceptable length and strength being thrown out with inferior stock to receive the classification and valuation of the lower grade. The waste in such processes is most emphatically not the low stock properly removed from the longer fiber, but is the loss incident to the decreased valuation suffered by any superior fibers improperly transferred to any inferior by-product. Such wastes can only be eliminated by most careful study and further invention, but we can greatly reduce the amount of useless waste by impressing our overseers and operatives with the importance of stock value conservation.

Growing and Handling.

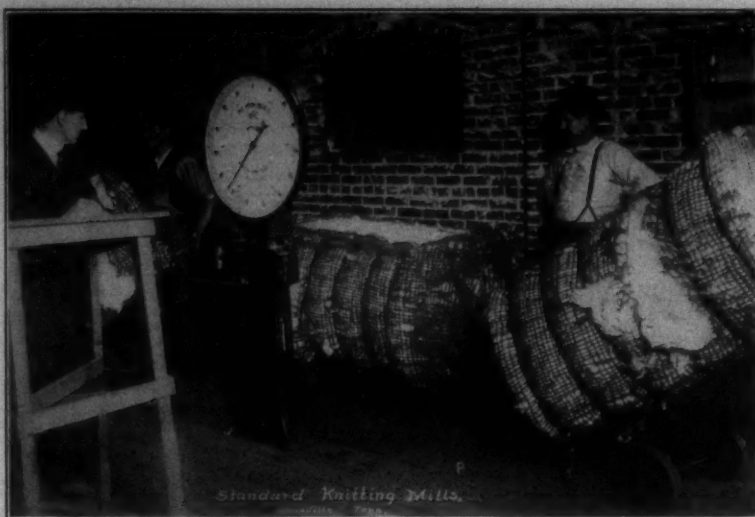
Cotton is susceptible to many wastes, extending through its kingdom from seed selection to final use. The ease with which cotton may be grown, and the low money value of the staple, have been the chief factors contributing to these immense wastes, the most notable of which are the failure to take advantage of neglected opportunities to greatly increase the yield; the abuse of the delicate fiber in ginning; its extremely harsh treatment in manufacture; extensive damage in harvest, country, warehouse, compress and transportation; and a lack of appreciation of the economic value of once-used cotton. Having been reared in the South, and having had extensive experience in growing, handling, marketing, manufacturing and in research work investigating the possibilities in conservation of cotton, the utilization of its wastes, and being impressed with our lack of appreciation of these conditions, I feel that I speak with a fair measure of authority when I state that, could wastes be eliminated, we might do with half the acreage now devoted to cotton; which is only another manner of saying that we are less than 50 per cent efficient in the growth and utilization of the fiber. In striving to eliminate this useless waste, let us not overlook the

possibility of further conserving our resources by investigation of the possibilities yet undeveloped in our by-products. These by-products present wonderful opportunities and most abundant material for scientific research. It must be possible for fibers to be grouped, sorted and utilized with the same degree of precision as Marconi has perfected in electrical wave length selection, and it may be that our by-products are to become more valuable than our principal products, as was the case when our industrial brothers, the chemists, developed our most valued dyestuffs from coal tar, theretofore a despised waste. Most of us would be eating unshortened bread in today's war time were it not for the oil crushed from cotton seeds, which our fathers of the last generation burned as useless rubbish; and could eat little or no meat, except for the fact that an invaluable foodstuff for cattle was discovered in cotton seed hulls and meal, which meal is also our principal source of ammonia for fertilization, both being by-products of the new cotton seed crushing industry.

This is not meant to be a technical discussion of textile machine detail, care, setting, management and operation; nor a treatise on processes for waste manipulation; the systems in use in the several countries; the commercial uses and values of wastes and products of cotton wastes; or statistics of the waste industry. These may be readily obtained from the admirable books, pamphlets, Government publications and textile journals that are available. My purpose is to impress the necessity for a thorough understanding of the vast difference between cotton waste and cotton waste products by those who would attain any degree of success in the theory and practice of waste control and limitation.

Our textile engineers are still laboring over many unsolved problems, and it may be that whole systems of processes may have to be revised before waste control can be mastered and perfect cleaning, attenuation, twisting, coloring and weaving accomplished without the present near-destruction of fibers in our factory system. We need not be surprised if these inevitable improvements come from those not directly connected with the industry. We must remember that many of our greatest textile machine inventions have come from the outside, in notable instances from a barber, a watchmaker and a clergyman. Those engaged in highly specialized industries are liable to lose perspective in close application to detail.

True efficiency is based primarily on waste prevention and elimination, and not merely on reduced movements of physical and mechanical manipulation, as some efficiency experts evidently believe. Let us remember that truthful old saying, "Haste makes waste," and work toward the efficiency ideal having as its foundation the blending of ra-



This picture shows a Kron Dormant Platform Scale, equipped with Tear-Beam for automatic deduction of tear weight, in the plant of the Standard Knitting Mills, of Knoxville, Tenn.

American Kron Scales

AUTOMATIC

Made in U. S. A.

SPRINGLESS

All Metal Construction

In every plant where speed with accuracy is essential to highest efficiency, weighing should be done with the "Kron." It performs automatically the whole weighing operation, weighing the goods as fast as they can be handled. No Weights—No Springs—No Beam to balance—you just "Load and Look." The scale does the weighing.

Kron Automatic Springless Dial Scales have solved the weighing problem in the plants of many of our leading industrial concerns throughout the country.

What the "Kron" has done for others it will do for you!

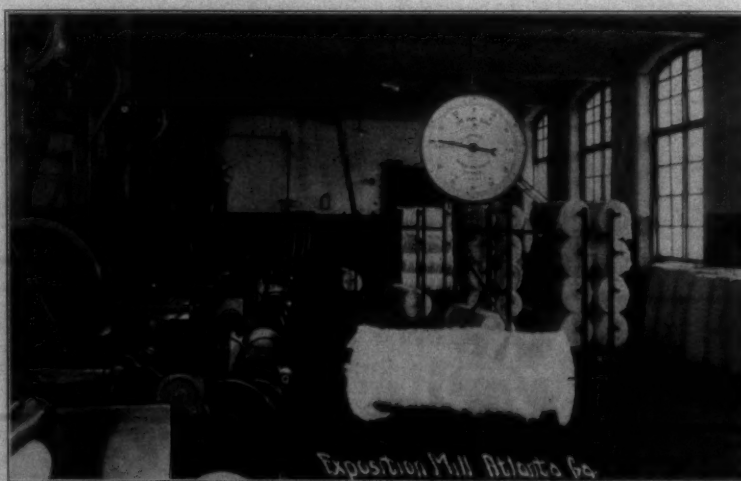
Full information upon request.

American Kron Scale Co.

434 East 53rd Street, New York

BRANCH OFFICES: Boston, Providence, Hartford, Philadelphia, Pittsburgh, Baltimore, Chicago, Cleveland, Detroit, Minneapolis, San Francisco, Wilson, N. C.

Southern Office, 405 Urban Building, Louisville, Ky.



THE KRON HANGING LAP PAN SCALE

In the plant of the Exposition Cotton Mills of Atlanta, Ga., one of the most enterprising and up-to-date concerns in the South

pidity with accuracy, resting firmly upon perfect co-ordination of hand and head. Nothing in human industry is more pitiful than waste of time, talents, opportunities and materials. The waste of mere money is trifling by comparison, for money may be regained; true waste can never be reclaimed at full value.

Adjustable Speed Motors.

The General Electric Co. in Bulletin No. 41021 describes the R. F. line of adjustable speed motors which are the results of many years of experience and numerous tests under actual shop operation.

They claim that there are many special advantages achieved in this R. F. type motor. Two worthy of mention are the practical elimination of commutation troubles arising from abuse or careless operation; secondly, the main field coils are so designed as to withstand, without injury, full potential continuously with the armature at rest. Special attention has also been given to the efficiency regulation, stability and insulation.

An interesting alphabetical arrangement of the various parts of the R. F. motor, together with illustrations and dimensions will be found on pages 6 and 7 of this Bulletin No. 41021, which can be obtained free by writing the Publicity Department of General Electric Co., Schenectady, N. Y. Mention that you saw this notice in the Southern Textile Bulletin.

Paper Yarn Is Used in Germany.

(Amsterdam (By Mail).—The employment of paper yarn in all directions in Germany has made enormous progress during the past year. Clothes and fabrics made entirely of paper yarn are now widely used. The base of these is a simple one-colored paper yarn used in exactly the same way as jute. Prisoners' camps are now supplied with mattresses and even pillows in which the covering is made of this fabric. In fact, paper weaving has made such strides that twills are now produced, and the time is not far distant when it will be possible to obtain excellent grades of worsted made of paper, and already the first patterns of such fabrics are being exhibited.

Ready-made clothing in paper is

at present confined for the most part to special workmen's clothing. Entire suits of this are exhibited, as well as aprons, overalls, and office-coats. The price of paper fabrics varies between 25 cents and one dollar a yard. Ready-made workmen's aprons and overalls are sold at six dollars a dozen. For entire suits the price is about \$5.

The paper clothing is not, however, entirely confined to workmen's clothing. A beginning has been made in supplying garments for women and children. For children there is a wide variety of paper garments available. For women, the offerings are thus far confined to underclothing.

Accident Befalls Son of J. C. Page.

The accident which befell little Kirk Page, the 4-year-old son of J. C. Page, of Woodside Mill, Greenville, S. C., Sunday evening about 7:30 o'clock, roused the anger of a crowd of men who gathered about the scene and for a few tense moments there was a demonstration that threatened to be serious and which apparently was allayed only by the initiative of a number of soldiers who took charge of the situation.

The boy had just alighted from a street car, in the Woodside mill village, and as he took a step to go across the street he was struck by a Ford automobile occupied by a Mr. Smith and W. B. Keller, former county jailer. The driver, according to a witness from the street car, did what he could to bring the car to a sudden standstill and the machine was stopped a few yards from where the accident happened. Young Page was knocked to the pavement and apparently was unconscious when picked up. He seemed to be seriously, if not fatally hurt, and there was tense feeling evidenced by the crowd. The limp body was carried to the nearby drug store and examination by a physician revealed that he was painfully bruised about the face, but was not seriously hurt.

German Owned Material.

\$1,000,000,000 may represent the total value of German-owned materials in this country and the money in various forms due German citizens, all of which is subject to confiscation under the trading with the

enemy act. An almost unknown firm informed the government that it owed \$990,000 to a German concern which it desired to relinquish at once. Pittsburg reports that deposits in banks by German citizens, royalties coming to German-owned patents of steel processes and bills due German companies will exceed \$1,000,000. More than 75 per cent of the stock of a well paying western road connecting with two trunk lines is held by German citizens resident in Germany. Suggestion has

been made that the entire amount recovered be used to float the next Liberty Loan of \$1,000,000,000.

J. R. Moore has resigned his position as secretary of the Henrietta Mills, to become secretary and treasurer of the new Liberty Spinning Co., Shelby, N. C.

James Oates has resigned as overseer of spinning and winding at the Danville Knitting Mills, Bon Air, Ala., to accept position as overseer of twisting with a mill in Georgia.

St. Onge Adjustable Grid Bar

Removes 25% more dirt without loss of stock
Plain bars or pin bars furnished

BROWN-ST. ONGE COMPANY

Providence, R. I.

A. ST. ONGE, President

Charlotte, N. C.

HAVE YOU A MILL TO LOCATE?

United States Census figures show that since 1880 the consumption of cotton in mills of the cotton growing states has increased 1,502 per cent, as compared with an increase of only 93 per cent in all other states.

In the twelve months ended July 31, 1917 Southern mill consumed over 1,000,000 more bales of cotton than the mills of all other states.

The census figures also show that in these twelve months the consumption of mills in the South increased 373,885 bales, or nearly 11 per cent, over the preceding 12 months, as compared with an increase of 29,600 bales, or only 1 per cent, in all other states.

Three-fourths, or 9,000,000, of the total cotton spindles in all the cotton growing states are tributary to Southern Railway System tracks. Of the 200 knitting mills in the South over 125 are located along the Southern Railway System. Most of the Southern woolen and silk mills are on Southern Railway System tracks.

There is a reason for this, and it is not difficult to understand.

The Southern Railway System Lines enter and serve most completely these portions of the South where the textile industry is the greatest success, because there are found all the conditions which makes for successful manufacture—the proper transportation facilities, the ease with which the raw material and the needed fuel may be secured, the supply of good labor, the pure water, the low cost of power, and favorable local conditions.

Not only for textile plants but for all other industries the best advantages will be found in this territory.

If you have a plant to locate, let us take up with you the question of the proper location. Your plans will be held confidential. Our knowledge of conditions at various points and our experience in locating other mills and the time of our agents in making special investigations, are at your service, if desired.

We always have special locations or propositions worthy of your attention.

M. V. RICHARDS, Commissioner
Southern Railway System
Room 129, Washington, D. C.

FOR SOFTENING FINISHOL

Finishol is a scientifically prepared detergent, soluble finishing and softening oil. It is used where any softener is required, in either a rinsing or color bath and is also used for boiling out raw stock. It is extensively used with excellent results upon colored stock in the Fries Dyeing Machines.

Special Products Works
BALTIMORE, MD.
Refinery
CORAOPOLES, PA.

WM. C. ROBINSON & SON COMPANY
OF BALTIMORE
Since 1832

CHARLOTTE
NEWTON, N. C.
GREENVILLE, S. C.
ATLANTA
BIRMINGHAM

Personal News

J. M. Johnson is appointed second hand in spinning at Pelham, Ga.

C. H. Lockhart of Williamston, has moved to Lockhart, S. C.

R. L. Armstrong has changed to spinner at Caraleigh Mills, Raleigh, N. C.

C. N. Haskell has been made second hand in the weave room at Pelham, Ga.

W. A. Hardaway is promoted from second hand to overseer of carding, Fulton Mill No. 1, Atlanta, Ga.

J. M. Blake is now overseer of spinning in Hanes Mill No. 4, Winston-Salem, N. C.

L. A. King is in charge of spinning at Hanes Mill No. 3, Winston-Salem, N. C.

R. E. Mosteller, from Aragon, Ga., is now roller coverer for the Macon Roller Covering Co., Macon, Ga.

R. L. Coyle of Winston-Salem, N. C., is master mechanic at Globe Mfg. Co., Gaffney, S. C.

E. O. Covan, loom fixer at Abbeville Mill, has moved to Belton Mill to take a position as loom fixer.

J. M. Knox has moved from Ware Shoals to Belton Mills. Mr. Knox was formerly located at Belton.

C. C. McJunkin has been promoted from second hand to overseer of cloth room at Courtenay Mfg. Co., Newry, S. C.

J. R. Manley has resigned as overseer of carding at Seneca, S. C., and accepted a position in Greenville, S. C.

W. R. Parker from Central Mills, Sylacauga, Ala., has been made night superintendent of Bibb Mill No. 1 at Porterdale, Ga.

P. A. Willett, of Duke, N. C., has accepted position as overseer picking and carding at Shaw Cotton Mills, Weldon, N. C.

W. F. Smith has resigned as night superintendent, Porterdale, Ga., to accept position as overseer of spinning, Mill No. 2, Fulton Bag and Cotton Mills, Atlanta, Ga.

D. R. Harriman, Jr., has resigned as superintendent of the Griffin (Ga.) Mfg. Co.

J. A. Funderburk, from Lowell, N. C., has taken charge of the roller covering shop of the Erlanger Mills, at Lexington, N. C.

J. L. Thompson, who has been employed in the weave room at Brogon Mills, will take work in a munition factory at an early date.

J. H. Bishop has been promoted from doffer boy to section hand at Revolution Cotton Mills, Greensboro, N. C.

J. E. Gunter has changed from carding overseer at Lavonia, Ga., to carding overseer at the Star Thread Mills, Athens, Ga.

W. P. Whitley, from Gibson Mill, Concord, N. C., has changed to spinner for Brown Mfg. Co., Concord, N. C.

C. C. Teague, employed at Woodside Mill, has been promoted from the position as section man in weaving to second hand in weaving.

A. C. Harper has changed from overseer of carding at Roswell, Ga., to carder at Lavonia Cotton Mfg. Co., Lavonia, Ga.

W. H. Hearn is promoted from spinner in No. 3 Hanes Mill, Winston-Salem, N. C., to general overseer of spinning in No. 3 and No. 4.

H. F. Jones, formerly superintendent of the Easley Mills, No. 3, Liberty, S. C., has accepted a similar position with the Echota Mills, Calhoun, Ga.

J. H. Howard has resigned as overseer of weaving at the Glenn-Lowry Mills, Whitmire, S. C., to accept a similar position with the Ware Shoals (S. C.) Mfg. Co.

J. M. Alexander has resigned as overseer of weaving at the Ware Shoals (S. C.) Mfg. Co. to accept a position as superintendent of the Courtenay Mfg. Co., Newry, S. C.

J. H. Lytle has accepted position as overseer of spinning and winding in day time, with the Dixie Cotton Mill Co., Mooresville, N. C.



Albany Grease can be used on any bearing of any machine irregardless of the size of the bearing or the speed at which it is operated. Albany Grease lubricates small light bearings running as high as 9000 R. P. M. as well as heavy ponderous bearings running as slow as 25 R. P. M. successfully. Use Albany Grease on every bearing in your mill and secure efficient and economical lubrication service. An Albany Cup and samples of Albany Grease will be sent you free of charge.

ALBANY LUBRICATING COMPANY
708-10 Washington St. NEW YORK CITY

L. A. Henley has resigned as assistant superintendent of Globe Mfg. Co., Gaffney, S. C.

W. M. Moore has been promoted from night to day weaver at Globe Mfg. Co., Gaffney, S. C.

C. E. Gaillard, formerly carder at Newry, S. C., has accepted a position as carder at Seneca, S. C.

Benjamin B. Gossett, of Anderson, S. C., president of the Riverside Manufacturing Company and Toxaway Mills, has been elected president of the Pendleton Cotton Mills, at Pendleton, S. C.

J. W. Blackwell, formerly engaged in work as a carpenter at the Fountain Inn Mfg. Company's Mill, is now employed with the Jackson Mills at Iva, S. C.

G. H. Maner, formerly of Franklinville, N. C., has accepted a position in spinning room at Revolution Cotton Mill, Greensboro, N. C., as section hand.

E. A. Gordon, formerly of Barnesville, Ga., has accepted a position with Revolution Cotton Mills, Greensboro, N. C., in the new spinning room as section man.

P. A. Smith, for many years connected with Fulton Bag and Cotton Mills, Atlanta, Ga., has resigned to become superintendent for Selma Mfg. Co., Selma, Ala.

W. S. Cason died at the home of his daughter in the Anderson Mills village. The deceased was a highly respected man. The body was taken to Hartwell, Ga., for interment.

J. S. Fore, formerly employed in the spinning room at Green River Mills at Green River, N. C., has taken a position in the spinning room of the American Spinning Company.

W. T. Corn has resigned as overseer of weaving at the Chadwick-Hoskins Mill No. 3, Charlotte, N. C.

J. K. Ward has changed from second-hand for the Savona Mfg. Co., to overseer of weaving for the Fidelity Mfg. Co., Charlotte.

E. M. Hoover has changed from master machinist at the Ice-morlee Mill, Monroe, to master machinist at the Shuford Mills, Hickory, N. C.

Winder Gary, assistant superintendent, Mill No. 2, Fulton Mills, Atlanta, has resigned and entered officers' training camp for aviators at Atlanta, Ga.

H. B. Williams, formerly overseer of spinning and twisting at Manetta Mills, Lando, S. C., has changed to same position at night with West Point Mfg. Co., Fairfax, Ala.

George P. Hall, formerly a steam fitter in the United States Government service, has taken a position at Winnsboro Mills, Winnsboro, S. C.

L. W. Redd has resigned as overseer spinning, Mill No. 2, Fulton Bag and Cotton Mills, Atlanta, Ga., and returned to his farm in South Carolina.

S. M. Smith has resigned as superintendent of the Courtenay Mfg. Co., Newry, S. C., to accept a position with the S. K. F. Ball Bearing Company of Hartford, Conn.

H. T. Gargill has arrived at Brogon Mill. Mr. Gargill, who was employed as engineer at Gluck, has taken the position of pump man at Brogon.

F. C. Hall, for several years with the Riverside and Dan River Cotton Mills as assistant superintendent, has been appointed superintendent of the Jenckes Spinning Co., Pawtucket, R. I.

WE MANUFACTURE

**SULPHUR KHAKI—SULPHUR OLIVE DRAB—BENZI BROWN RHB
BENZI FAST YELLOW A—BENZI SKY BLUE—BENZI GREEN FFG**

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Sulphur, Direct, Acid, Top-Chrome, Bottom Chrome, Basic, Spirit, and Oil Colors

Southern Office: Danville, Va. N. H. Benefield, Manager

AMERICAN ANILINE PRODUCTS, Inc.

80 FIFTH AVENUE, NEW YORK

MILL NEWS ITEMS OF INTEREST

Seneca, S. C.—The Seneca plant of the Victor-Monaghan Mills have added 768 spindles, making them 19,840 spindles; also looking for the Draper looms to replace 492 old style looms.

Natchez, Mass.—The Natchez Cotton Mills, which have been idle for many years, has been leased and put in operation by J. W. Sanders, of Meridian, Miss. S. L. Adler will be superintendent.

Liberty, S. C.—The Easley Mills No. 3 are building a large school house and auditorium, painting all the houses in the village, and building back porches to all the houses.

Atkinson, N. C.—The Atkinson Hosiery Mills Co., of Atkinson, Pender county, has received a charter for a general hosiery and knitting mill business, capital \$100,000 authorized and \$10,000 subscribed by J. T. Hoggard, E. A. Hawes, E. A. Hawes, Jr., P. S. Carr, J. R. Hawes and others.

Elkin, N. C.—Chatham Manufacturing Co. has plans and specifications for constructing its recently mentioned additional mill, the cost of which will be \$265,000 for buildings and machinery. The machinery (including 100 looms and steam power plant) will cost \$65,000 and the building will cost \$200,000. The latter will be three and five stories high, 300 feet long by 80 feet wide.

Holly Bush, N. C.—The Holly Bush Knitting Mills, which have just been organized by C. T. Morrison and C. S. Grove of Hickory, N. C., will be operated by water power and will start up with 40 machines. The offices of the company, as announced last week, will be at Hickory and all correspondence should be addressed there. Hosiery is to be the product.

Rutherfordton, N. C.—The Cleg-horn Mills, fine combed yarns, advise that the construction work being done consists merely of the tearing down of an old shed room and moving the machinery to a small brick addition which has been erected. All supplies and equipment which will be needed for this change have been purchased.

Wilmington, N. C.—The People's Hosiery Mills, which have been incorporated in the State of North Carolina, with a capital of \$100,000, of which \$25,000 is to be paid in by the time operations start, will be ready for business in the near future it is understood. A site in the northern part of the city has been selected and contracts will soon be let for buildings, machinery, etc. About 100 operatives are to be employed it is understood. The officers of the company are E. Fred Banck and E. T. Burton, president and secretary-treasurer, respectively.

Maryville, Tenn.—A new company is to take over the Maryville Hosiery Mills property, the machinery from this plant having been sold last June. The buildings are to be thoroughly renovated and remodeled and new machinery is to be installed, so that the plant will represent an investment of \$50,000. It is reported that a force of 100 operatives is to be employed at first, and the number doubled shortly thereafter.

Raleigh, N. C.—A mill man of this city who is interested in the new enterprise returned home today from Danville, Va., and stated that a new knitting mill is to be established there and that negotiations for a silk mill are also under way. That the latter plant would occupy a building now being made ready for it early in the coming year. The chief promoter of the knitting mill, he added, is J. Allen Crews, of Wharton, N. J., who has the financial backing of a number of New Jersey capitalists who have decided to invest in the undertaking. The details are yet to be worked out.

Atlanta, Ga.—Lockwood, Greene & Co., Atlanta and Boston, are now preparing plans and specifications for the cotton duck mill (recently mentioned) which the Government will build at the United States Penitentiary. The building will be 457 feet long by 210 feet wide, one story high, of reinforced concrete and brick construction, erected by prison labor. It will be equipped with 500 light and medium looms for the production of cotton duck, 116,000 pounds each week. The weaving machinery will be driven by a 1,050 horsepower electric drive equipment. The Government appropriation for this plant is \$129,500.

Middleton, Ga.—At the recent administrator's sale of Beverly Cotton Mills, located at Middleton, M. B. Pitts, who has been operating same for fifteen months, under lease, purchased same. The mill contains 7,500 spindles, 62 duck looms, and has a complete dye plant for dyeing raw stock cotton. This mill is all on Government goods, making fiber dyed duck for leggings; and the present owner is going ahead with much improvements, both to the mill and village. He has already bought some new machinery, and will install 5,000 more new spindles with other preparatory machinery, and will erect at once twenty new tenant houses, and other improvements in the village. This will be one of the best duck mills in the South making Government goods.

Burlington, N. C.—The new building of the Southern Hosiery Mills is nearly completed at Burlington, and the company will move into it very soon, abandoning the old mill used at present. The new mill building will give the plant more room than formerly, with ground space bought to provide for future enlargement,

and some additional machinery will be needed. The stock of L. C. Crismon, who held a majority interest and who recently moved to High Point, N. C., to engage in the same line of business, has passed into new hands. Charles J. Boland continues in charge as manager of the mill.

Burlington, N. C.—The Southern hosiery mills, of this place, in which L. C. Crismon held the majority of stock, has passed into new hands, Mr. Crismon having moved to Mount Airy, where he is operating another mill. His stock has been purchased by several progressive men, who have already begun to make extensive improvements. The building which they have occupied several years on Spring street will soon be abandoned for their own new building, which is now in process of construction on the Adams lot, near Elmira Cotton Mill. It will be 40 by 250 feet, one-story, with additional ground for 125 by 250 feet more of building later. Chas. J. Boland, who has been in charge of the

MR. BARNES:

Are you interested in chain drives. Would like to demonstrate advantages of Morse Chain Drives.

GEO. W. PRITCHETT, GREENSBORO, N. C.

mill, will continue to have charge.

Duncan Mill Has Gigantic Fair.

Greenville, S. C.—Duncan Mill village held its community fair recently. The fair was excellent in every respect, the work of the people of the community being displayed in a gigantic exhibit of a superior nature.

The exhibit was shown in the community rooms, the large exhibit requiring several rooms for its display. The needle work exhibit was worthy of special note, clothing, household linen and various articles having been displayed. The work was of a high order. The relic and curio exhibit contained many interesting articles, each of which had its

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During the past year our business has shown wonderful growth. We are now shipping Leather Belt to practically every State in the Union. We have been forced to double the capacity of our factory—have increased our sales force and are in better position than ever before to take care of your wants. Let us know your troubles and we will **KEEP THE MACHINERY RUNNING.**

For repairs or trouble work our experienced belt men are at your disposal, no matter what belt you use.

Charlotte Leather Belting Company
CHARLOTTE MEMPHIS CLEVELAND NEW YORK

GARLAND

RAWHIDE LOOM PICKERS

Are made from buffalo hides of the best quality it is possible to procure. We have the first selection from the stock of one of the largest and best curers in the world and are confident that the hide quality of our pickers can not be surpassed.



GARLAND MFG. CO.
SACO, MAINE

own story. The entire amount of fruit, arranged in a tempting display, was prepared by the women and girls of Dunbar, the display coming from a stock of 40,000 quarts canned by the housekeepers of the village during the past year. There was a display of home cooked eatables. The products of the home gardens of the village were well prepared to meet the critical food situation.

There were other exhibits, the ex-



DURING THESE STRENUOUS TIMES

We must conserve. Why not do your share by economizing?

Begin by making your labor more efficient. The first step "Provide Sanitary Conditions in Your Water Drinking System." Install the

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Why?

BECAUSE It promotes health
It Prevents spread of disease
It saves water
It SAVES TIME

ADDED RESULT—EFFICIENCY

Investigate our proposition. A postal will bring full information.

Puro Sanitary Drinking Fountain Co.

342 Main St., Haydenville, Mass.

Central Station System of Stripping Cards

Removes the short fibres, neps and dust from the card wire by the most efficient means, which is a stripping brush.

Separates the fibres and dust and deposits each in a separate receptacle at some convenient place in lapper or waste room.

It combines efficient stripping with lack of dust, and leaves the strips in such shape as to be more valuable.

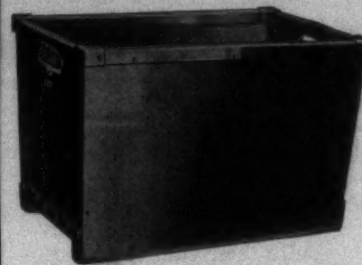
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IT'S LEATHEROID

Order from your mill supply house

Leatheroid Sales Co.

1024 Filbert St. Philadelphia, Pa.
Selling Agents for the
LEATHEROID MFG. COMPANY

hibits of the work of the school children, and the work of the girls' clubs.

Miss Alice Mackey, welfare worker of the village, in co-operation with the industrious people of the community is responsible for the success of the mammoth fair.

D. D. Towers, formerly superintendent of the Hillside Mills, La-Grange, Ga., is now acting as assistant agent with the Mt. Vernon Duck Mills, Baltimore, Md.

Marlboro Mill No. 5.

Bennettsville, S. C.

J. S. Pruitt.....	Superintendent
G. M. Dean.....	Twister Room
J. D. Spears.....	Spinner
G. C. Rambo.....	Spinner
J. F. Minnis.....	Spinner
Stacy Pate.....	Carder
Champ Pate.....	Carder
B. A. Robinson.....	Carder
John Jackson.....	Yard Boss
J. W. Kelly.....	Yard Boss

Lanett Cotton Mills,

Lanett, Ala.

Geo. S. Harris.....	Superintendent
J. H. Howarth.....	Asst. Superintendent
J. W. Knowles.....	Carder
J. D. Anderson.....	Spinner
D. A. Jolly.....	Weaving and Slashing
Edgar Mitchell.....	Cloth Room
B. C. Williams.....	Timekeeper
W. W. Wallace.....	Master Mechanic

West Point Mfg. Co.,

Langdale, Ala.

I. B. Morris.....	Superintendent
A. C. Boyd.....	Asst. Superintendent
B. M. Jennings.....	Carder
P. M. Lane.....	Spinner
W. J. Calhoun.....	Weaver
L. F. Bledso.....	Twisting
J. E. Caldwell.....	Cloth Room
W. J. Crosby.....	Master Mechanic

AMERICAN MOISTENING COMPANY

BOSTON, MASSACHUSETTS

WILLIAM FIRTH, President

FRANK B. COMINS, Vice-Pres. and Treas.

THE ONLY PERFECT SYSTEM OF AIR MOISTENING

COMINS SECTIONAL HUMIDIFIER

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Cotton Goods

New York: The cotton goods market during the past week continued to be decidedly speculative as most sellers admitted they were still working in the dark.

Most mills are very careful about taking orders for future delivery, but, despite their caution, occasional orders for deliveries further ahead than are advisable get on the books. While the mills do this to accommodate a customer, they usually lose him in the long run, for disappointments generally follow these future promises. Such contracts likewise cause the mills to lose heavily because of the necessity to pay more wages, that they might turn out the materials on time.

The labor situation is a very trying one. During the week, it is said that fully fifty per cent of the cotton piece goods manufacturers have increased wages ten per cent. Although the increase, according to reports, did not come up to the laborers' demands, yet it is believed to have partially satisfied the employees for the present, additional demands may be made by the laborers any hour and because of the scarcity of both skilled and inexperienced help the mills are practically at the mercy of the workers.

Some manufacturers are of the opinion that the government can get all of the coarse goods production which is, chiefly, the kind wanted, from the plants now working on these lines, without even giving consideration to the mills turning out fine goods. There is a possibility, however, that if the industries of the country are divided into essential and non-essential, the fine goods manufacturers may be classed with the latter. It is doubted that, in such event they would be forced to operate on coarse goods, inasmuch as there would be several disadvantages involved.

A letter has been sent by the War Industries Board of the Council of National Defense to the manufacturers of duck to the effect that, owing to unprecedented demand for duck for government purposes it has become necessary to stop the selling of duck to civilian customers unless they have established their right to such fabric through the priorities committee of the Council of National Defense. The letter instructs that manufacturers refuse to accept any orders for duck from civilian customers without instructions from the priorities committee. It adds that "even when duck has been recently sold it may be necessary to take it over for the government."

The demand for print cloths and sheetings was not very brisk during the week. Buyers were taking on small lots; but the activity looked more like filling-in buying than anything else. Supplies for delivery for the balance of the year are in most demand with only scattered buying for next year's delivery.

Brown drills, standard....At value
Sheetings, southern, std....At value

3-yard, 48x48s	At value
4-yard, 56x60s	At value
4-yard, 48x48s	At value
5-yard, 48x48s	At value
Denims, 9-ounce	At value
Denims, 2-20s	At value
Selkirk, 8-ounce, duck..	Withdrawn
Oliver, extra 8-ounce...	Withdrawn
Tallassee, 8-ounce	Withdrawn
Hartford, 8-ounce	Withdrawn
Woodberry, sail duck...	Withdrawn
Mt. Vernon, wide duck...	Withdrawn
Alexander, 8-ounce	Withdrawn
Ticking, 8-ounce	At value
Standard prints	At value

Hester's Weekly Cotton Statement.

Comparisons are to actual dates not to close of corresponding weeks. In thousands bales:

In Sight—	
For week	494
Same seven days last year....	590
Same seven days year before...	456
For the month	601
Same date last year	760
Same date year before	714
For season	4,081
Same date last year	5,566
Same date year before	4,343

Port Receipts—	
For season	2,248
Same date last year	3,248
Same date year before last....	2,554

Southern Mill Takings—	
For season	1,102
Same date last year	1,080
Same date year before	888

Interior Stocks in Excess	
August 1—	
This year	416
Last year	703
Year before	634

Foreign Exports—	
For week	40
Same seven days last year....	210
Same seven days year before...	140
Same date last year	1,964
Same date year before	1,485

Statement of World's Visible Supply—

Total visible this week	3,656
Last week	3,554
Same date last year	4,690
Same date year before	5,109

Of This the Total American—	
This week	2,590
Last week	2,461
Last year	3,900
Year before	3,981

All Other Kinds—	
This week	1,066
Last week	1,093
Last year	789
Year before	1,128

Visible in the United States—	
This week	1,809
This date last year	2,350

Visible in Other Countries—	
This week	1,847
This date last year	2,340

.67-s02N.166550.9cmfwyp mfwyp ap	
American Cotton Throughout	
orld—	

This week	365
Same seven days last year....	424
Same seven days year before...	351
Total since August 1.....	2,995
Same date last year	3,794
Same date year before	3,644

TAPE DRIVES

OUR TAPES ARE ENDORSED BY MACHINERY EXPERTS. They know their quality and they know their scientific structure. Exhaustive trials by practically all machinery makers have demonstrated that they have no superior.

Write us.

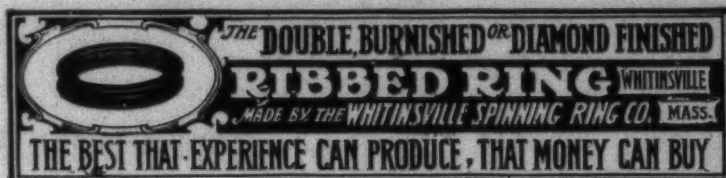
Barber Manufacturing Co., Lowell, Mass.
SPINNING TAPE SPECIALISTS

OUR SPINNING RINGS---SINGLE OR DOUBLE FLANGE

Start Easiest, Run Smoothest, Wear Longest!

PAWTUCKET SPINNING RING CO.

CENTRAL FALLS, R. I.



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ROPO SIZE MAKES YARN STRONG

Does Not Scale. Will not turn sour.
Will Bleach Out Easily

Carolina Sizing and Chemical Company
Charlotte, N. C.



THE "NO-WASTE" ROVING CAN

Made of Seamless Hard Fibre

Prevents Your Waste and Broken Ends

The "NO-WASTE" Seamless Roving cans have a reputation for quality and smoothness wherever roving cans are used. Practical experience has taught mill men in all sections of the country that ultimate economy can be achieved only with an equipment of "NO-WASTE" Seamless cans.

STANDARD FIBRE CO.

25 Miller Street

Somerville, Mass.

James Radcliffe has been promoted from overseer to superintendent of the Acushnet Mills, New Bedford, Mass.

The Yarn Market

Philadelphia: There was practically no change in the cotton yarn market during the past week. There was, however, a slight improvement in the demand for yarn to fill government contracts. The effect of government orders for goods on yarn prices is shown in the strength of the coarse numbers and the weakness of the medium counts. Yarns that are used almost exclusively in the manufacture for civilian consumption are cheap compared with coarse numbers that are largely in demand to fill government contracts.

The stiffness in the cotton futures market caused spinners to advance prices on carded cones. There are, however, many weak spots on carded weaving yarn.

Spinners of weaving yarns are sold well ahead but at the same time orders are being accepted in spots and being filled for quantities ranging from 15,000 to 100,000 pounds. Weavers, as a rule, are only scattered purchasers and usually buy for absolute needs.

The high prices usually asked by spinners always check the completion of sales in the market, as there are still a good many inquiries. There is nothing, however, to warrant an expectation of lower prices in this market. In fact, with cotton still high, shipments congested and delayed, with a lack of help and fuel, spinners state production and supplies in yarn are bound to be small in the future.

Southern Single Skeins.

4s-8s.....42	43	20s.....45	45 1/2
10s.....43	43 1/2	24s.....48	48 1/2
12s.....43 1/2	44	26s.....49	49 1/2
14s.....44	44 1/2	30s.....50 1/2	51
16s.....44 1/2	45		

Southern Single Warps

8s.....42 1/2	43	20s.....46	46 1/2
10s.....43 1/2	44	24s.....48	48 1/2
12s.....44	44 1/2	26s.....49	49 1/2
14s.....44 1/2	45 1/2	30s.....50 1/2	51
16s.....45	45 1/2	40s.....62	63

Southern Two-Ply Skeins.

8s.....42	42 1/2	24s.....49 1/2	50
10s.....43	43 1/2	30s.....50 1/2	52
12s.....43 1/2	44	36s.....56	57
14s.....44 1/2	45	40s.....63	64
16s.....45	45 1/2	50s.....88	90
20s.....46	46 1/2	60s.....96	1.00

Southern Two-Ply Warps

8s.....43	43 1/2	24s.....50	51
10s.....43 1/2	44	26s.....51	52
12s.....44	44 1/2	30s.....51 1/2	53
14s.....45	45 1/2	40s.....62	63
16s.....45 1/2	46	50s.....88	90

Two-Ply Combed Peeler Skeins.

20s.....67	68	50s.....96	99
24s.....70	71	60s.....1.05	1.10
30s.....75	76	70s.....1.15	1.20
40s.....85	86	80s.....1.35	1.40

Southern Frame Spun Carded Yarn on Cones.—Cotton Hosiery Yarns.

8s.....43 1/2	44	20s.....49	49 1/2
10s.....44 1/2	45	22s.....50 1/2	51
12s.....45	45 1/2	24s.....53 1/2	54 1/2
14s.....45 1/2	46 1/2	26s.....55	56
16s.....46 1/2	47 1/2	30s.....57	58
18s.....48	4 1/2	40s.....65	67

Presence of Mind.

In the midst of the confusion, as the train robbers, with revolvers held in readiness, moved down the aisle in a hold-up near Reno, Nevada, a drummer excitedly dug into his pocket, pulled out a roll of bills and handed them to his companion across the aisle, saying, hoarsely: "Johnson, here's that fifty dollars I owe you!"—Ex.

A. M. Law & Co.

SPARTANBURG, S. C.

BROKERS

Dealers in Mill Stocks and other Southern Securities.

Southern Cotton Mill Stocks

	Bid	Asked
Abbeville Cotton Mills, S. C.	115	125
American Spinning Co., S. C.	145	
Anderson Cotton Mills, S. C.	35	40
Aragon Mills, S. C.	105	
Arcadia Mills, S. C.	117	
Arkwright Mills, S. C.	135	180
Augusta Factory, Ga.		38
Avondale Mills, Ala.	125	135
Belton Cotton Mills, S. C.	120	125
Brandon Mills, S. C.	91	94
Belton Cotton Mills, S. C.	120	
Brandon Mills, S. C.	90	94
Beaumont Mfg. Co., S. C.	175	200
Cabarrus Cotton Mills, N. C.		
Calhoun Mills, S. C.	100	105
Cannon Mfg. Co., N. C.		
Chiquola Mills, S. C.	133	
Clifton Mfg. Co., S. C.	110	
Clinton Cotton Mills, S. C.	120	
Courtenay Mfg. Co., S. C.	105	112
Dacotah Cotton Mills	160	
Cox Mfg. Co., S. C.		
Chesnee Mills, S. C.	140	145
Dallas Mfg. Co., Ala.	116	
Darlington Mfg. Co., S. C.		78
Drayton Mills, S. C.	27	
Dunbar Mills, S. C.	57	61
Eagle & Phenix Mills, Ga.	99	94
Easley Cotton Mills, S. C.	245	250
Enterprise Mfg. Co., Ga.		62
Exposition Cotton Mills, Ga.	173	
Gaffney Mfg. Co., S. C.	82	85
Gainesville C. Mills, Ga., com	120	
Glenwood Mills, S. C.	97	101
Glenn-Lowry Mfg. Co., S. C.		75
Glenn-Lowry Mfg. Co., pfd.		101
Gluck Mills, S. C.	95	
Graniteville Mfg. Co., S. C.	75	
Greenwood Cotton Mills, S. C.	110	115
Grendel Mills, S. C.	170	
Hamrick Mills, S. C.	125	
Hartsville Cotton Mills, S. C.	175	250
Henrietta Mills, N. C.	145	
Highland Park Mfg. Co.		
Inman Mills, S. C.	120	
Inman Mills, S. C., pfd.	100	
Jackson Mills, S. C.	150	
Judson Mills, S. C.	112	
King, John P. Mfg. Co., Ga.		95
Lancaster Cotton Mills, S. C.	150	
Lancaster C. Mills, S. C., pfd.		
Langley Mfg. Co., S. C.		
Laurens Cotton Mills, S. C.	120	
Limestone Cotton Mills, S. C.	145	
Lockhart Mills, S. C.	85	100
Loray Mills, N. C., common	20	
Loray Mills, N. C., 1st pfd.	105	110
Marion Mfg. Co., N. C.	125	
Marlboro Mills, S. C.	118	126
Mills Mfg. Co., S. C.	140	
Molochon Mfg. Co., S. C.	100	110
Monarch Cotton Mills, S. C.	175	
Newberry Cotton Mills, S. C.	158	
Ninety-Six Mills, S. C.	225	
Norris Cotton Mills, S. C.	110	
Oconee Mills, common	94	
Oconee Mills, preferred	98	
Orr Cotton Mills, S. C.	105	107
Panola Mfg. Co., S. C.	60	
Pacolet Mfg. Co., S. C.	107	
Pacolet Mfg. Co., S. C., pfd.	100	
Peizer Mfg. Co., S. C.	110	
Pickens Cotton Mills, S. C.	129	
Piedmont Mfg. Co., S. C.	170	
Poe, F. W. Mfg. Co., S. C.	124	
Riverside Mills, S. C., pfd.	110	
Roanoke Mills, N. C.		
Saxon Mills, S. C.	130	
Sibley Mfg. Co., Ga.		58
Spartan Mills, S. C.	160	175
Toxaway Mills, S. C., pfd.	80	
Tucapau Mills, S. C.	290	300
Union-Buffalo Mills, 1st pfd.	94	96
Union-Buffalo Mills, 2nd pfd.		16
Victor-Monaghan Mills Co. pf	96	
Victor-Monaghan Co., com.	60	63 1/2
Victor-Monaghan Mills Co. pf	96	98
Ware Shoals Mfg. Co., S. C.	103	
Warren Mfg. Co., S. C.	65	70
Warren Mfg. Co., S. C., pfd.		
Watts Mills, S. C.	10	
Whitney Mfg. Co., S. C.	110	125
Williamston Mills, S. C.	114	
Woodside Cotton Mills, pfd.		
Woodside Cotton Mills, com		
Woodside C Mills, guaranteed	90	
Woodside C Mills, pfd.	90	
Woodside Cotton Mills, g'td	90	
W. S. Gray Cotton Mills	150	

"SAVE MONEY"

By sending us your work. We specialize in rewinding and repairing Lickerins, Acetylene, Welding, Rebuilding, and Overhauling machinery of all descriptions. You will find absolute satisfaction in our work as we are specialists.

GIVE US A TRIAL

Towry & McArthur - Lincolnton, N. C.

Over 200 Representative Mills of the South are Equipped with Our Apparatus

OXY-ACETYLENE WELDING & CUTTING APPARATUS

COMPRESSED OXYGEN, 99.5 PER CENT PURE

Completely Equipped Job Welding Shops at Atlanta and Charlotte
Write Us for Information

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113 Latta Arcade Building

Charlotte, N. C.

SOUTHERN SALES AGENTS OF

Federal Dyestuff and Chemical Corporation

KINGSPORT, TENN.

SULPHUR BLACKS

SULPHUR BLUES

SULPHUR BROWNS

CAUSTIC SODA

BLUESTONE

BI-CHROMATE OF SODA

And all other heavy chemicals.

INQUIRIES SOLICITED



Sizol Compounds

Have Proved their Worth

With Cotton worth from 25 to 35c. and Tallow almost unobtainable, the unbelievers in the quality of SIZOL have been induced to test it and our claims of SIZOL efficiency have been more than substantiated.

Sizings

Softeners

Finishings

THE SEYDEL MFG. COMPANY

JERSEY CITY, N. J.

S. C. THOMAS,
Spartanburg, S. C.GEORGE WITHERSPOON,
Mount Olive, N. C.

FOUNDRY SPECIALTIES

Soft Clean Gray Iron Castings Cast Tooth Gears for Kitson Pickers
Cast Iron Mill Spittoons Safety Guards for Kitson Pickers
Motor Pulley Castings Loggerhead Castings for Pickers
Doff Box Wheels and Stands

COCKER MACHINE & FOUNDRY COMPANY

Machinery Department, Gastonia, N. C.

Easley Mills No. 3.

Liberty, S. C.

J. O. Spake.....Superintendent eral, scenting a thrilling yarn. "How
John Hunter.....Carder did it happen?"
J. T. Hawkins.....Spinner "Why, I married the widow of a
A. P. Smith.....Weaver man who was strung up for horse-
W. N. Robinson....Master Mechanic stealing."

PERSONAL ITEMS

J. O. Spake has been promoted to superintendent of Easley Mill No. 3, Liberty, S. C.

S. L. Adler of Winona, Miss., has become superintendent of the Natchez (Miss.) Cotton Mills.

A. R. Meeks is now assistant overseer of weaving at Imperial Mills, Eatonton, Ga.

J. T. Fry of Winston-Salem, N. C., has accepted position of night overseer of weaving at Brookford, N. C.

G. V. Tallent has accepted position as overseer spinning at Lawrenceville (Ga.) Yarn Mills.

James Dauss has been promoted to second hand in spinning at Imperial Mills, Eatonton, Ga.

A. L. Carmen, from the Victor Mill, Greer, S. C., has accepted position of overseer of weaving at the Aragon Mills, Rock Hill, S. C.

G. W. Starnes of Lancaster, S. C., has accepted the position of overseer of weaving at the Southside Mills, Winston-Salem, N. C.

E. M. Childers has resigned as night overseer of weaving at Brookford, N. C., to accept a position at Salisbury, N. C.

E. B. Arrowood of High Point, N. C., has accepted the position of overseer of carding at Martinsville, Va.

M. G. Godfrey has been promoted from second hand to overseer of spinning at the Florence Mills, Forest City, N. C.

W. O. Tallent, superintendent of Crawford (Ga.) Mills; G. R. Brook, general inside overseer, Imperial Mills, Eatonton, Ga.; Henry Epps, superintendent of Jefferson (Ga.) Mills; Ira W. Greer, secretary Kincaid Mfg. Co., Griffin Ga., spent the week-end in Atlanta.

Link Belt Co. in Liberty Loan.

It will doubtless be of interest to our readers to learn that the subscriptions to the second Liberty Loan made by the employees of the principal plants of the Link-Belt Company and by the company, itself, amounted to \$269,000, divided as follows: Indianapolis plants, \$104,300; Philadelphia plant, \$71,300; Chicago plant, \$61,100; Link-Belt Company, \$32,300.

J. P. Eller has resigned as overseer of weaving at the Aragon Cotton Mills, Rock Hill, S. C., to accept a similar position at the Chadwick-Hoskins Mill No. 3, Charlotte, N. C.

A. L. Whetstone has resigned as overseer of spinning and twisting at Dixie Mills, LaGrange, Ga., to accept position as superintendent of Lawrenceville (Ga.) Yarn Mills.

W. E. Rambow has accepted a position as night overseer of twisting and spooling for the General Asbestos & Rubber Co. He was formerly at Bennettsville, S. C.

President of Arabol Mfg. Co. Dead.

Arabol Mfg. Co. has sent out notices of the death of their president, Edward Weingartner, which occurred on October 26th.

Killed in Ditch.

Kemper Hall, a white man engaged in lining a ditch for the Proximity Manufacturing Company, was killed November 7 when the deep ditch in which he was working caved in, and completely covered him with earth.

Cotton in Peru.

(Continued from page 9.)

of October to December. In March the plants begin to flower and the crops are gathered from. May to lands of Peru is due in a large measure to the cultivation of cotton, and this is an important factor in favor of this crop. If the demand for long staple cotton of the best grades continues and the competition of the Egyptian is not keen, cotton will become an important feature of the agricultural life of Peru.—Publication of Merchants National Bank of Boston.

He Won.

"Are you in the market for a good horse, Eb?"

"You know me, Cy. Always ready to dicker."

"Well, here's the critter. She's sound and gentle; any woman can drive her. She's yours at rock-bottom price."

Eb gathered up his lines preparatory to starting, at the same time replying:

"Well, Cy, I'd buy her this mornin', but I hate to bust a dollar."—Ex.

You Should Figure Friction as Overhead

A plant that is lubricated with grease has a 20% overload of Friction. This means 20% extra power produced—and lost.

By abolishing grease and using



you can decrease your cost of production.

Non-Fluid Oil attacks Friction the minute it is applied. Unlike grease it does not wait for Frictional heat to melt it. Doesn't allow heat to develop. It feeds one drop at a time and each drop hits the spot—sticks—lubricates.

N. Y. & N. J. Lubricant Co., 165 Broadway, New York

Southern Agent: L. W. THOMASON, Box 165, Charlotte, N. C.

BRADFORD SOLUBLE GREASE



Unexcelled as a softening agent in the finishing of Cotton fabric. Used extensively both by finishers of colored goods and bleachers in finish of white fabrics. Any degree of "softness" may be obtained by the proper use of this article. A neutral preparation. Write for recipe for finishing.



ARABOL MANUFACTURING COMPANY

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CAMERON MacRAE Southern Sales Agent CHARLOTTE, N. C.

E. S. DRAPER

Landscape Architect

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MILL VILLAGE PLANNING FOR NEW MILL VILLAGES
MILL VILLAGE BEAUTIFICATION FOR OLD MILL VILLAGES

Expert on Community Welfare and Playground Development.

Less Waste---Cleaner Yarns

Atherton Adjustable Pin Grids

most manufacturers are adopting, knowing that they will pay for themselves in a short time in the saving of good stock, at high price of COTTON today. One Corporation in your vicinity placed order for 175 equipments.

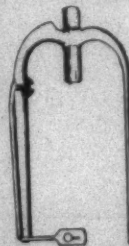
Atherton Adjustable Knife Bar

with DOUBLE STRIKING EDGE, recently patented. Like beater blade, when one edge becomes dull reverse the bar. Twice the life. Same price.

Atherton Pin Grid Bar Company

Greenville, S. C.

Providence, R. I.



FLYERS

General Repair of old Flyers a Specialty

Flyers of all Sizes, as good as new,
at attractive prices.

SOUTHERN SPINDLE & FLYER CO., Inc. Charlotte, N. C.

Manufacturers, Overhauled and Repairers of

COTTON MILL MACHINERY

W. H. Monty, Pres. and Treas.

W. H. Hutchins, V-Pres. and Sect'y

We are in the war now—in it every will, every effort to serve the with our conscience and our honor, good cause.—Henry Van Dyke.

Let us make ourselves count in it for all we are worth—heart and head and hand, purse and property and prowess. We pledge our best aid to our brave allies in order to get the war over as soon as possible. We must unite every counsel,

There is a difference between notoriety and merit. A thousand dollars' worth of roses will barely fill a room with perfume, but with a dollar's worth of fried onions you can scent up a whole town.—Dr. Croft.

Want Department

Want Advertisements.

If you are needin men for any position or have second hand machinery, etc., to sell the want columns of the **Southern Textile Bulletin** affords the best medium for advertising the fact.

Advertisements placed with us reach all the mills and show results.

Knitters Wanted.

Want experienced knitters on Wildman ribbers. Best of wages paid to reliable help. Address Box 218, St. Pauls, N. C.

Overseer of Cloth Room.

Want overseer of cloth room for single filling duck mill. Must be accurate and neat in his work. Address "Cloth Room," care Southern Textile Bulletin.

Machinery for Sale.

For sale for immediate delivery, Revolving Top Flat Cards, Pickers, Roving Machinery, Spinning Frame Looms. Guarantee Mill Supply Co., Atlanta, Ga.

Weavers Wanted.

Can use a few good weavers on 5.50 yard goods. Whittin looms. Work runs well. Weavers make from \$10.00 to \$12.00 per week. Will take care of other help in family. No night work. Good healthy place to live. Schools and churches convenient. Will advance transportation to reliable parties. Address C. H. Goodroe, Supt., Mary-Leila Cotton Mills, Greensboro, Ga.

Roving Cans Wanted.

Want 150 roving cans, 14-inch diameter. Address J. S. Dorn, 739 Spring St., Atlanta, Ga.

Help Wanted.

For the Beverly Cotton Mills, Middleton, Ga., weavers for fifty light duck looms. Also spinners, spoolers, and winder hands. The best wages of any mill in Georgia.

Wanted.

AUTOMATIC CROMPTON AND KNOWLES LOOM CHECK WEAVERS AND LOOM FIXERS. THE VERY BEST OF WAGES FOR GOOD RELIABLE PEOPLE. FAMILIES PREFERRED. ADDRESS BOX 180, SCHOOL-FIELD, VA.

Engine for Sale.

50 Horsepower, High Speed Automatic Engine, built by Iddell Company, Charlotte, N. C. Cylinder 9½-in. diameter, 10-in. stroke. Fly wheel 45-in. diameter, with 9-in. face. Steam pipe 2½-in. diameter. Exhaust pipe 3½-in. diameter. Weight, including sub-base 4,900 lbs. Will sell cheap. Engine is in good condition.

Operatives Wanted.

Wanted for mills now starting at Tarboro, N. C., families containing spinners, spoolers, winders and doffers, also a few slubber and speeder hands. Plenty of good houses, free graded schools, churches of all denominations. Letters from above named help will receive prompt attention. Write T. A. Shipp, Supt. Tarboro, N. C.

Twisters For Sale.

Four Twisters in good condition, 144 spindles each. 3 3-4 gauge, 2 3-4 rings, 6-inch traverse. Can be seen in action in N. C. mill. Address N. C., care Textile Bulletin.

Overseer Beaming Wanted.

Overseer of beaming and slashing for mill of 800 looms on fancy dress gingham. Must understand designing. Apply Box 303, Burlington, N. C.

Help Wanted.

Wanted. A first class Card Grinder for four sets of Davis & Furber Woolen Cards running on Cotton Waste. Good pay for right man.

Can use two other good men, on Slasher and in Dye-House; prefer men of families of other help. Both these are good jobs. Will learn steady, reliable men.

Can also use a few more good families of Spinners, Spoolers, Doffers, Weavers, etc. Write or call on us, stating what you have and we will be pleased to figure with you. O. H. Farr, Superintendent, Manetta Mills, Lando, S. C.

A Hindrance.

A big, husky Bowery recruit, of pugilistic proportions, was put on duty and given special orders to see that quiet reigned, and, above all things, if trouble came his way, not to lose possession of his rifle.

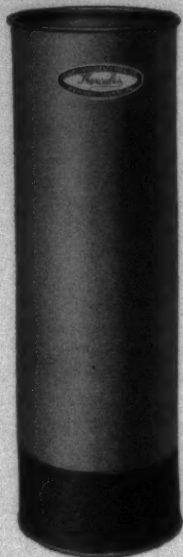
Soon a general row began, growing in proportions as the minutes passed. The soldier walked his post nervously, without interrupting, until the corporal of the guard ap-

J. K. LIVINGSTON & CO.

COTTON MERCHANTS

CHARLOTTE, N. C.

"STAPLE COTTON A SPECIALTY"



HERCULES

SEAMLESS ROVING CANS

Write for Catalogue No. 21

Roving Cans, Barrels and Boxes. Cars and Trucks.

We can ship up to six car loads of 12 in. x 36 in. Cans upon receipt of order.

The largest line of Mill Receptacles.

SOUTHERN BRANCH

Fibre Specialty Manufacturing Co.

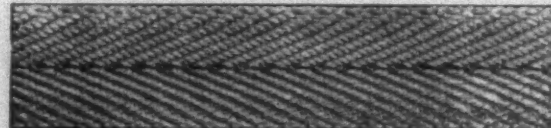
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peared on the scene with reinforcements.

"Why didn't you stop this row?" demanded the corporal.

The sentry, balancing his rifle on his shoulder, raised his arms to the correct boxing position, and replied: "Shure, phwat could I do wid dis gun in me hands."—Ex.

But One Exception.

A preacher, at the close of one of his sermons, said: Let all in the house who are paying their debts stand up. Presently every man, woman and child, with one exception, rose to their feet.

The preacher seated them and said, "Now every man not paying his debts stand up." The exception, a careworn, hungry-looking individual, clothed in his past summer's

suit, slowly assumed a perpendicular position.

"How is it, my friend," asked the minister, "you are the only man not able to meet his obligations?"

"I run a newspaper," he answered, "and the brethren here who stood up are my subscribers, and—"

"Let us pray," exclaimed the minister.—Ex.

The head of a certain manufacturing firm is an old gentleman who built up his business from nothing but dogged and persistent toil, and who never felt that he could spare the time for a holiday. Not long ago, however, he decided that he was getting on in years and that he was entitled to a rest; so, calling his son into the library, he said:

"Tom, I've worked hard for a long time and have done well, so I've decided to retire and turn the business over to you. What do you say?"

The young man hesitated a moment, then in sudden thought he suggested:

"I was just thinking, father," "how would it be for you to work a few years more and then we could both retire together?"—Ex.

G. H. Fairbanks is appointed manager and superintendent of the Savannah Cotton Mills, Savannah, Ga. He was previously with the Granby Mills, Columbia, S. C.

Employment Bureau.

The fee for joining our employment bureau for three months is \$2.00 which will also cover the cost of carrying a small advertisement for one month.

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We do not guarantee to place every man who joins our employment bureau, but we do give them the best service of any employment bureau connected with the Southern textile industry.

WANT position as superintendent or as overseer of carding in large mill. Have had long experience and have handled large card rooms in successful mills. Can furnish high class references. Address No. 2006.

WANT position as superintendent. Am now employed as superintendent and giving entire satisfaction but wish to change to larger mill. Have successfully handled large mills in the past. Address No. 2007.

WANT position as superintendent. Have had long practical experience as carder and spinner in first class mills and can furnish high class references. Address No. 2008.

WANT position as overseer of carding. Am experienced on carding and combing and am now employed in one of the most successful mills in the South as overseer of carding but prefer to change. Can furnish high class references. Address No. 2009.

WANT position as superintendent or as overseer of weaving. Have had long experience in both positions and can furnish high class references from former and present employers. Address No. 2010.

WANT position as overseer of spinning and winding. Am now employed as carder and spinner but want larger room. Age 28, married and can give best of references. Address No. 2011.

WANT position as superintendent of either cotton mill or finishing plant. Have had long practical experience on both positions on white and colored goods and can furnish high class references, including present employers. Would only consider changing for larger salary. Address No. 2013.

WANT position as overseer of spinning. Have had long experience and can obtain good results. Married, age 31, good references. Address No. 2014.

WANT position as superintendent of either cotton mill or finishing plant. Have had long practical experience in both positions on white and colored goods and can furnish high class references, including present employers. Would only consider changing for larger salary. Address No. 2013.

WANT position as overseer of spinning. Have had long experience and can obtain good results. Married, age 31, good references. Address No. 2014.

WANT position as overseer of weaving. Have had long practical experience and am now employed, but for good reason would like to change. Can furnish best of references. Address No. 2015.

WANT position as superintendent or as overseer of carding. Am now employed as overseer of carding but have had experience as superintendent and always made good. Good references. Address No. 2016.

WANT position as superintendent. Am now employed as superintendent of small mill on coarse goods and have had experience in large mills and have experience and ability to operate larger mill than have at present. Address No. 2017.

WANT position as master mechanic. Am experienced on steam plant with or without water power and have about 5 years experience as machinist and engineer. High class references. Address No. 2018.

WANTED — Position as superintendent of a yarn, or plain weaving mill where quality-quantity, and the mill kept in first class condition would be appreciated. Am especially experienced on combed yarns, 14s to 120s, have 19 years experience in mill, seven as overseer, two years as superintendent. Also have diploma from I. C. S. of Scranton, Pa. Am at present employed as superintendent of 15,000 spindle mill on combed yarns. Married, age 31; references from past and present employers. Address No. 2021.

WANT position as overseer of carding or carding and spinning. Have had long experience in both positions and can give satisfaction on any size job. Fine references. Address No. 2020.

WANT position as superintendent of either yarn or plain mill or as carder and spinner. Am now employed and giving satisfaction and have had long experience on both carding and spinning. Good references. Address No. 2019.

WANT position as overseer of weaving. Have 16 years' experience as overseer and second-hand in large rooms and am first class Draper man. Age 38. Can furnish fine references. Address No. 2022.

WANT position as superintendent or overseer of large weave room on either plain or fancy weaving. Have experience on both and can furnish first class references as to ability and character. Address No. 2022.

WANT position as superintendent of small mill or assistant superintendent of large mill. Am not dissatisfied with present position, but wish larger job. Can give my present employers as references. Address No. 2023.

WANT position as superintendent. Have had long practical experience and also good education and can furnish first class references. Address No. 2033.

WANT position as superintendent in either yarn or weaving mill. Have handled successfully several large mills and can get results. Address No. 2034.

WANT position as superintendent. For several years have run one of the largest card rooms in the South and given entire satisfaction. Would take stock in the right mill if given position of superintendent. Satisfactory references. Address No. 2026.

WANT position as overseer of weaving or second-hand in large room. Am experienced on Draper looms and am good manager of help. Present employers as reference. Address No. 2025.

WANT position as superintendent. Have handled one of the largest card rooms in the South and am fully competent for position as superintendent. Can give former employers as reference. Address No. 2026.

WANT position as overseer of carding. Have been on present job ten years and giving entire satisfaction but wish to change to a larger mill on white goods. High class references. Address No. 2027.

WANT position as superintendent of yarn mill. Have had long practical experience as carder, spinner and superintendent of yarn mill and can furnish first class references. Address No. 2028.

WANT position as superintendent or overseer of large card room. Have filled position as superintendent and also some of the largest card rooms in the South and am considered an expert on carding. Fine references. Address No. 2029.

WANT position as superintendent. Am now superintendent of small mill and giving entire satisfaction but would like to change to a larger mill and a better locality. Can furnish first class references. Address No. 2030.

WANT position as overseer of large cloth room or superintendent of small weave mill running plain white goods. Have had long experience in the management of

help. Have had thirteen years' experience in cloth rooms running both light and heavy white goods for export and domestic uses. Am now employed as overseer of cloth room but desire a change. Can furnish best of references from former and present employers. Address No. 2032.

WANT position as superintendent. Have had long practical experience with special experience on combed hosiery yarns and can furnish high class references from former employers. Address No. 2035.

WANT position as overseer of carding and spinning at not less than \$4.00 per day. Have had long experience in both positions and can furnish first class references. Address No. 2036.

WANT position as superintendent or overseer of carding and spinning. Have filled position as overseer of carding and spinning in first class mills and always given satisfaction. Now employed but for good reasons would like to change. Fine references. Address No. 2037.

WANT position as master mechanic. Have had long experience in cotton mill work including electric drive and steam turbines. Have two doffers, age 16 and 18. Address No. 2039.

WANT position as overseer of spinning, or as second hand in large room. Have had long experience, married, age 38, strictly sober. Can furnish good references. Address No. 2039.

WANT position as superintendent of either yarn or weaving mill. Am practical carder, spinner and weaver. Am experienced on yarns of all kinds both combed and peeler. Local and staple cotton. Also understand reworking waste. 10 years as overseer of carding and spinning. 3 years as superintendent. Can furnish best of references. Would like to get in touch with party that is not getting results from their mill. All correspondence will be treated confidential. Address No. 2040.

WANT position as overseer of weaving. Have had long experience on 300 drills and chambrays and am giving satisfaction on present position but for good reasons would like to change. Can furnish high class references. Address No. 2041.

WANT position as superintendent of yarn mill or as carder and spinner in weaving mill. Have had experience in both positions and can furnish high class references. Address No. 2043.

WANT position as superintendent or overseer of carding. Have had special experience on market yarns and am also expert carder. Fine references. Address No. 2042.

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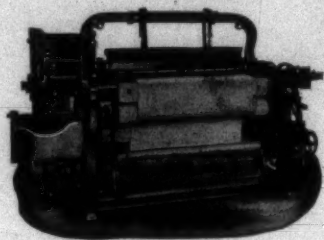
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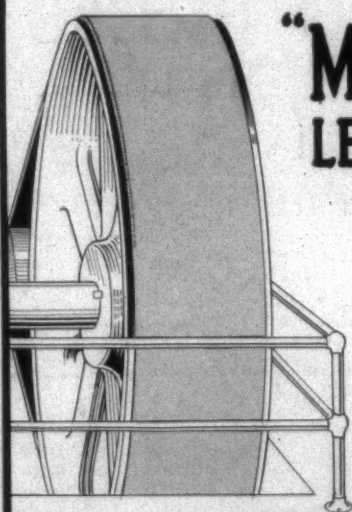


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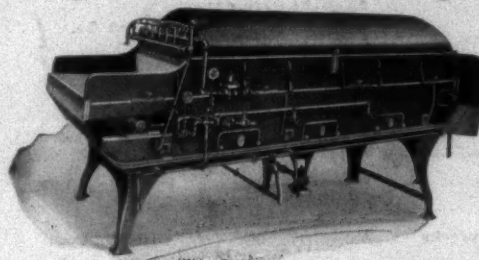


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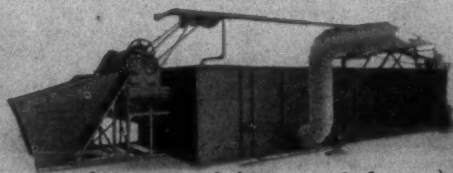
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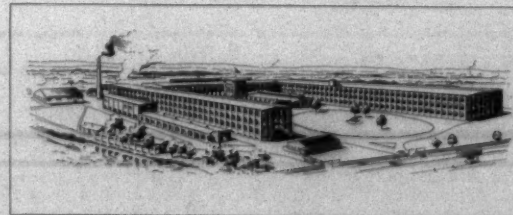
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